

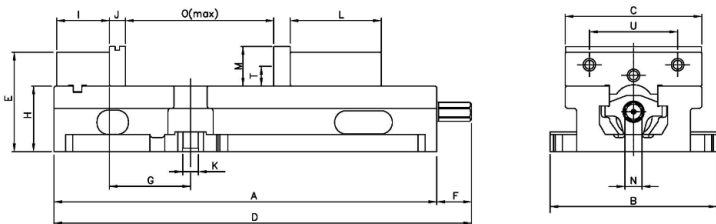


**From all of us at Sowa Tool,
We would like to wish you all the best in 2020.**

GS-ADX-160G Machine Vise



- 6" vise with a 9" opening
- Spindle nut does not protrude past the end of body
- Bed height 73.025mm ± 0.012 (2.875" ± 0.0005 ")
- Spherical segment creates all-directional alignment and reduces jaw lift for improved performance
- The bearing pack is larger, stronger, and more durable
- New brush seal design



2020 Winter Flyer

Pricing valid from January 1 to March 31, 2020

**New
Product**



CODE:
327-320

\$689.00

List: \$795.80

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T	U	Weight Lbs
ADX-160G	16.81"	7.32"	5.94"	18.35"	4.37"	1.54"	3.56"	2.88"	2.31"	0.73"	0.69"	4"	1.75"	0.75"	9.09"	0.94"	3.87"	68

Distributed by:

CUTTING TOOLS

Sheath Rack



- ABS plastic
- 62 sheaths
- 6mm-42mm

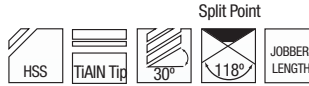
Code No. 326-545
(Reg. List \$40.90)

\$28.63

HSS TiAlN Tip Jobber Length Drill Set



A stronger self repairing coating leading to longer tool life compared to TiN coating. TiAlN Tip also allows increased speeds and feeds.



Description	Pieces Per Set	Code No.	SALE \$
1/16" - 1/2" x 64ths Fractional Set	29	127-050	138.04

Chatterfree HSS Countersink Sets



- High Speed Steel
- 0 - Flute



Description	Set Contents	Set Code No.	SALE \$
82°	0,1,2,3,4	121-035	189.54
90°	0,1,2,3,4	121-033	189.54

3 Flute Countersink Sets HSS



- High Speed Steel



Description	82° Code	SALE \$	90° Code No.	SALE \$
5 piece - 1/4", 3/8", 1/2", 3/4", 1"	121-048	266.33	121-060	275.85

Dowel Pin Reamers HSS



- Straight flute

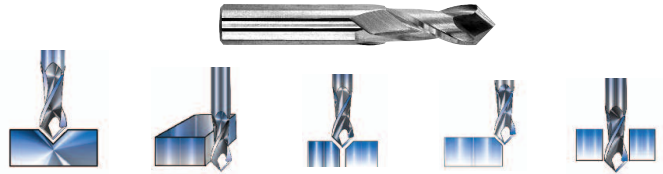


Flute Dia.	Flute Length	Overall Length	Code No.	SALE \$
0.1240"	7/8"	3-1/2"	111-400	19.35
0.1260"	7/8"	3-1/2"	111-402	19.35
0.1865"	1-1/8"	4-1/2"	111-404	24.38
0.1885"	1-1/8"	4-1/2"	111-406	24.38
0.2490"	1-1/2"	6"	111-408	26.40
0.2510"	1-1/2"	6"	111-410	26.40
0.3115"	1-1/2"	6"	111-412	31.28
0.3135"	1-1/2"	6"	111-414	31.28
0.3740"	1-3/4"	7"	111-416	33.83
0.3760"	1-3/4"	7"	111-418	33.83
0.4365"	1-3/4"	7"	111-420	40.13
0.4385"	1-3/4"	7"	111-422	40.13
0.4990"	2"	8"	111-424	41.40
0.5010"	2"	8"	111-426	41.40

Carbide Drill Mills



- Drill/Mills can be used for drilling, slotting, profile milling
- 2 Flute - 60° & 90° included point angle
- Made from submicron grain carbide
- Cutting diameter tolerance: +0.000/-0.002



Cutting Dia.	Shank Dia.	Flute Length	Overall Length	60° Code No.	SALE \$	90° Code No.	SALE \$
1/16"	1/8"	3/16"	1-1/2"	153-187	18.06	153-186	17.36
3/32"	1/8"	3/8"	1-1/2"	153-189	18.06	153-188	18.06
1/8"	1/8"	1/2"	1-1/2"	153-191	16.73	153-190	16.73
3/16"	3/16"	5/8"	2"	153-193	24.01	153-192	24.01
1/4"	1/4"	3/4"	2-1/2"	153-195	30.80	153-194	30.80
5/16"	5/16"	13/16"	2-1/2"	153-197	37.03	153-196	38.85
3/8"	3/8"	1"	2-1/2"	153-199	48.37	153-198	48.37
7/16"	7/16"	1"	2-3/4"	153-201	53.62	153-200	63.42
1/2"	1/2"	1"	3"	153-203	80.01	153-202	80.01
5/8"	5/8"	1-1/4"	3-1/2"	153-205	154.21	153-204	154.21
3/4"	3/4"	1-1/2"	4"	153-207	238.70	153-206	238.70

CUTTING TOOLS

5pc Variable Helix Carbide End Mill Set + Free Hat



- 4 Flute
- Small corner radius for added strength and smoother cutting action
- AlTiN coated for improved tool life and increased production output



FREE

PROMO CODE:
153-005H

\$222.81 NET

List: \$318.30



* WITH PURCHASE OF SET

Set Includes:

Cutting Dia. (in.)	With Radius Code No.	List \$
3/16	153-002	30.90
1/4	153-006	42.30
5/16	153-012	58.90
3/8	153-018	66.50
1/2	153-027	119.70

4 Flute Variable Helix Carbide End Mill - Typhoon Coating

- 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



Cutting Dia.	Shank Dia.	Shank Dia.	Flute Length	Overall Length	Corner Radius	With Radius Code No.	SALE \$	Without Radius Code No.	SALE \$
1/8"	1/8"	1/8"	1/2"	1-1/2"	0.010-0.015	153-000	17.48	153-250	13.95
3/16"	3/16"	3/16"	3/8"	1-1/2"	0.010-0.015	153-001	23.18		
3/16"	3/16"	3/16"	5/8"	2"	0.015-0.020	153-002	23.18	153-252	23.18
1/4"	1/4"	1/4"	1/2"	2"	0.015-0.020	153-004	28.13	153-254	28.13
1/4"	1/4"	1/4"	3/4"	2-1/2"	0.015-0.020	153-006	31.73	153-256	31.73
1/4"	1/4"	1/4"	1-1/8"	3"	0.015-0.020	153-008	44.48	153-258	44.48
5/16"	5/16"	5/16"	1/2"	2"	0.015-0.020	153-010	42.90	153-260	42.90
5/16"	5/16"	5/16"	13/16"	2-1/2"	0.015-0.020	153-012	44.18	153-262	44.18
5/16"	5/16"	5/16"	1-1/8"	3"	0.015-0.020	153-014	47.33	153-264	47.33
3/8"	3/8"	3/8"	5/8"	2"	0.015-0.020	153-016	46.20	153-266	46.20
3/8"	3/8"	3/8"	1"	2-1/2"	0.015-0.020	153-018	49.88	153-268	49.88
3/8"	3/8"	3/8"	1-1/8"	3"	0.015-0.020	153-020	61.43	153-270	61.43
7/16"	7/16"	7/16"	1"	2-3/4"	0.015-0.020	153-022	71.25	153-272	71.25
1/2"	1/2"	1/2"	5/8"	2-1/2"	0.025-0.030	153-024	71.93	153-274	71.93
1/2"	1/2"	1/2"	1"	3"	0.025-0.030	153-026	74.55	153-276	74.55
1/2"	1/2"	1/2"	1-1/4"	3"	0.025-0.030	153-027	89.78	153-277	89.78
1/2"	1/2"	1/2"	2"	4"	0.025-0.030	153-028	103.28	153-278	103.28
5/8"	5/8"	5/8"	3/4"	3"	0.030-0.035	153-030	123.38	153-280	123.38
5/8"	5/8"	5/8"	1-1/4"	3-1/2"	0.030-0.035	153-032	133.80	153-282	133.80
5/8"	5/8"	5/8"	2-1/4"	5"	0.030-0.035	153-034	172.58	153-284	172.58
3/4"	3/4"	3/4"	1"	3"	0.030-0.035	153-036	183.23	153-286	176.03
3/4"	3/4"	3/4"	1-1/2"	4"	0.030-0.035	153-038	183.23	153-288	183.23
3/4"	3/4"	3/4"	2-1/4"	5"	0.030-0.035	153-040	282.00	153-290	282.00
1"	1"	1"	1-1/2"	4"	0.030-0.035	153-042	327.15	153-292	325.13
1"	1"	1"	2-1/4"	5"	0.030-0.035	153-041	472.43	153-293	472.43
1-1/4"	1-1/4"	1-1/4"	2-1/4"	5"	0.030-0.035	153-043	1,016.03	153-294	883.43

CUTTING TOOLS

Keyway Broach Sets With Collared Bushings



Model No.	Description	Dura Case EDP No.	Code No.	Price \$
#1	3 Broaches: 1/16"-I, 3/32"-I, 1/8"-I 5 Bushings: 1/4"-I, 5/16"-I, 3/8"-I, 7/16"-I, 1/2"-I 15 Keyway Combinations	15315	182-050	350.30
C-1	4 Broaches: 1/8"-II, 3/16"-II, 1/4"-III, 3/8"-III 9 Bushings: 1/2"-II, 5/8"-II, 3/4"-II, 7/8"-II, 1"-III, 1-1/8"-III, 1-1/4"-III, 1-3/8"-III, 1-1/2"-III 18 Keyway Combinations	15318	182-052	612.00
C-1A	4 Broaches: 1/8"-II, 3/16"-II, 1/4"-III, 3/8"-III, 9 Bushings: 9/16"-II, 11/16"-II, 13/16"-II, 15/16"-III, 1-1/16"-III, 1-3/16"-III, 1-5/16"-III, 1-7/16"-III, 1-9/16"-III 18 Keyway Combinations	15319	182-054	612.00
C-2	3 Broaches: 1/8"-II, 3/16"-III, 1/4"-III 9 Bushings: 9/16"-II, 11/16"-II, 13/16"-II, 15/16"-III, 1-1/16"-III, 1-3/16"-III, 1-5/16"-III, 1-7/16"-III, 1-9/16"-III 15 Keyway Combinations	15320	182-056	518.90
C-2A	3 Broaches: 1/8"-II, 3/16"-III, 1/4"-III 9 Bushings: 1/2"-II, 5/8"-II, 3/4"-II, 7/8"-II, 1"-III, 1-1/8"-III, 1-1/4"-III, 1-3/8"-III, 1-1/2"-III 15 Keyway Combinations	15321	182-058	518.90
C-10A	3 Broaches: 1/8"-II, 3/16"-III, 1/4"-III 18 Bushings: 1/2"-II, 9/16"-II, 5/8"-II, 11/16"-II, 3/4"-II, 13/16"-II, 7/8"-II, 15/16"-III, 1"-III, 1-1/16"-III, 1-1/8"-III, 1-3/16"-III, 1-1/4"-III, 1-5/16"-III, 1-3/8"-III, 1-7/16"-III, 1-1/2"-III, 1-9/16"-III 30 Keyway Combinations	15330	182-060	740.50
C-10	4 Broaches: 1/8"-II, 3/16"-II, 1/4"-III, 3/8"-III 18 Bushings: 1/2"-II, 9/16"-II, 5/8"-II, 11/16"-II, 3/4"-II, 13/16"-II, 7/8"-II, 15/16"-III, 1"-III, 1-1/16"-III, 1-1/8"-III, 1-3/16"-III, 1-1/4"-III, 1-5/16"-III, 1-3/8"-III, 1-7/16"-III, 1-1/2"-III, 1-9/16"-III 36 Keyway Combinations	15336	182-062	783.20
#10 Metric	2 Broaches: 2mm-I, 3mm-I 5 Bushings: 6mm-I, 7mm-I, 8mm-I, 9mm-I, 10mm-I 10 Keyway Combinations	15410	182-064	313.80
#18 Metric	4 Broaches: 4mm-II, 5mm-II, 6mm-III, 8mm-III 9 Bushings: 12mm-II, 14mm-II, 16mm-II, 18mm-II, 20mm-III, 22mm-III, 24mm-III, 26mm-III, 28mm-III 18 Keyway Combinations	15418	182-066	715.20
#40 Metric	6 Broaches: 2mm-I, 3mm-I, 4mm-II, 5mm-II, 6mm-III, 8mm-III 18 Bushings: 8mm-I, 10mm-I, 12mm-II, 14mm-II, 16mm-II, 18mm-II, 18mm-III, 19mm-III, 20mm-III, 22mm-III, 24mm-III, 25mm-III, 26mm-III, 28mm-III, 30mm-III, 32mm-III, 34mm-III, 36mm-III 36 Keyway Combinations	15440	182-068	1,164.80

Revolving Knurling Tool Holder



EUROPEAN MADE



These tools are fitted with four pairs of knurls; any of which can be instantly brought to bear on the workpiece. Furnished with standard face diamond pattern knurls in fine and coarse pitch.



Holder Size (mm)	Dia. (mm)	Wheel		Code No.	SALE \$
		Knurl Face Size (mm)	Hole (mm)		
20 x 32 x 200	20	10	6	474-200	295.61

Noga The Set - SP7700



The most popular deburring tools you need to carry for any deburring application. Packed in one handy box.

• Contains:
Countersink NG3100, Mini Scraper NG3700, Noga V Cut NG3200, Adjustable Scraper SC8000, Keyway-Burr NG3300, Internal Scraper NG3710, Super Burr NG3003

Model	Code No.	SALE \$
SP7700	165-482	183.35

CUTTING TOOLS

NEW!

CVD Coated Turning Grades PT15C / PT25C Carbide Inserts And Indexable Kits



Download your copy



Solid Carbide Double Cut Burrs



MICROGRAIN
carbide

• Other sizes available on pages D2-D4 of the catalogue

CYLINDRICAL-SQUARE END-END NOT CUT

E.D.P.	Cutter Dia. (in.)	Length of Cut (in.)	Shank Dia. (in.)	Overall Length (in.)	Double Cut Code No.	SALE \$
SA-1	1/4	5/8	1/4	2	170-014	9.42
SA-3	3/8	3/4	1/4	2-1/2	170-022	12.60
SA-5	1/2	1	1/4	2-3/4	170-026	19.86



OVAL SHAPE

E.D.P.	Cutter Dia. (in.)	Length of Cut (in.)	Shank Dia. (in.)	Overall Length (in.)	Double Cut Code No.	SALE \$
SE-41	1/8	7/32	1/8	1-1/2	170-160	4.98
SE-3	3/8	5/8	1/4	2-3/8	170-168	15.54
SE-6	5/8	1	1/4	2-3/4	170-172	30.96



TREE-RADIUS END

E.D.P.	Cutter Dia. (in.)	Length of Cut (in.)	Shank Dia. (in.)	Overall Length (in.)	Double Cut Code No.	SALE \$
SF-1	1/4	5/8	1/4	2	170-108	11.40
SF-51	1/4	1/2	1/8	2	170-110	8.52
SF-3	3/8	3/4	1/4	2-1/2	170-112	14.40
SF-5	1/2	1	1/4	2-3/4	170-116	20.34



8PC SOLID CARBIDE DOUBLE CUT BURR SETS

- Solid carbide
- Double cut
- Comes in fitted case



Shank Contents	Shank	Code No.	SALE \$
SA-51, SB-51, SC-51, SD-1, SD-52, SF-53, SG-51, SL-51	1/8"	172-984	90.48
SA-3, SA-5, SC-1, SC-3, SD-3, SD-5 SF-3, SF-5	1/4"	172-986	166.44

CYLINDRICAL- END CUT

E.D.P.	Cutter Dia. (in.)	Length of Cut (in.)	Shank Dia. (in.)	Overall Length (in.)	Double Cut Code No.	SALE \$
SB-12	1/8	5/8	1/4	2	170-035	10.92
SB-1	1/4	5/8	1/4	2	170-037	10.08
SB-5	1/2	1	1/4	2-3/4	170-041	24.78
SB-6	5/8	1	1/4	2-3/4	170-045	27.42



CYLINDRICAL- RADIUS END

E.D.P.	Cutter Dia. (in.)	Length of Cut (in.)	Shank Dia. (in.)	Overall Length (in.)	Double Cut Code No.	SALE \$
SC-42	1/8	9/16	1/8	1-1/2	170-052	4.98
SC-1	1/4	5/8	1/4	2	170-060	10.56
SC-3	3/8	3/4	1/4	2-1/2	170-066	13.98
SC-4	7/16	1	1/4	2-3/4	170-068	20.34
SC-5	1/2	1	1/4	2-3/4	170-070	21.96

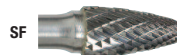


BALL SHAPE

E.D.P.	Cutter Dia. (in.)	Length of Cut (in.)	Shank Dia. (in.)	Overall Length (in.)	Double Cut Code No.	SALE \$
SD-42	1/8	-	1/8	1-1/2	170-202	4.98
SD-14	3/16	-	1/4	2	170-206	12.00
SD-51	1/4	-	1/8	2	170-212	8.52
SD-5	1/2	-	1/4	2-1/4	170-218	16.08
SD-6	5/8	-	1/4	2-3/8	170-220	20.04



6" O.A.L. CARBIDE BURRS



E.D.P.	Cutter Dia. (in.)	Length of Cut (in.)	Shank Dia. (in.)	Overall Length (in.)	Double Cut Code No.	SALE \$
SF-5L6	1/2	1	1/4	6"	170-379	36.72
SL-3L6	3/8	1-1/16	1/4	6"	170-382	31.74

PRECISION TOOLING



SJ-210 SURFTTEST PORTABLE SURFACE ROUGHNESS TESTER

- 2.4" colour graphic, backlit LCD screen
- Interface supports 16 languages which can be freely switched
- Access to each feature can be password protected
- In addition to calculation results, the SurfTest SJ-210 can display sectional calculation results and assessed profiles, load curves, and amplitude distribution curves
- Up to 10 measurement conditions and one measured profile can be stored in internal memory
- An optional memory card can be used as extended memory
- Complies with the following standards: JIS (JIS-B0601-2001, JIS-B0601-1994, JIS-B0601-1982), VDA, ISO-1997, and ANSI
- Measuring Force: 4mN
- Measuring Method: Skidded



List: \$3,038.00

Model	MTI No.	Measuring Range	Code No.	SALE \$
SJ-210	178-561-02A	0.70", (17.5mm)	847-140	2,768.00

Impact Hardness Tester

ASIMETO

Features:

- Used for determining the hardness of ferrous and non-ferrous metals
- Hardness is displayed in an "L" value that can be converted into Brinell, Rockwell, Vickers, and Shore Hardness.

Specifications:

- Range: 330-890HL
- Impact capacity: 11 Nmm
- Testing direction: Arbitrary
- Power: DC 6.0 V
- Mass of impact body: 5.5g
- Diameter of carbide ball: 3mm



Description	Code No.	SALE \$
Impact Hardness Tester	7640171	1,477.36

8pc Ultimate Metrology Kit

ASIMETO

- 6" X 0.001" Aluminum Dial Caliper (7304065)
- 6" x 0.0005" Absolute Digital Caliper (7307563)
- 0-1" x 0.001" Outside Micrometer (7101011)
- 0-1" x 0.00005" IP65 Digital Micrometer (7105015)
- 1/2" x 0.001" AGD2 Dial Indicator (7402121)
- 1/2" x 0.0005" Digital Indicator (7405951)
- 0.03" x 0.005" Dial Test Indicator (7501733)
- Articulating Arm Magnetic Base (7602021)

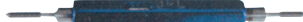


Description	Code No.	SALE \$
Ultimate Metrology Kit	7285086	792.00

Standard Plug Thread Gauges



- Made of the finest steel alloy
- Made in U.S.A.



Size	Double End 2B Code No.	Price \$
6-32	222-102	204.10
1/4"-20	222-110	157.40
5/16"-24	222-116	188.70
7/16"-20	222-124	177.50
1/2"-13	222-126	167.10
1/2"-20	222-128	201.20
5/8"-11	222-132	225.10
5/8"-18	222-134	225.10

Metric Plug Thread Gauges



- Made of the finest steel alloy
- Made in U.S.A.



Size	Double End w/ Handle Code No.	Price \$
M8 x 1.25	222-196	201.20
M12 x 1.75	222-204	238.30
M14 x 2.0	222-208	262.90
M14 x 1.5	222-210	220.30
M20 x 2.5	222-216	355.60

Other sizes available on pages F77-F78 of the catalogue

1-800-265-8221

Surface Roughness Standards Set

ASIMETO

- Used for the visual comparison of surface roughness
- Set of 30 specimens, 7/8" x 3/8" electro-formed, solid nickel



New Code No.: 7506010

Price \$ **179.58**

Qty.	Desc.	Roughness
2	Flat Lapping	0.05; 0.1µm (2; 4µm)
4	Reaming	0.2; 0.4; 0.8; 1.6µm (8; 16; 32; 63µm)
6	Grinding	0.05; 0.1; 0.2; 0.4; 0.8; 1.6µm (2; 4; 8; 16; 32; 63µm)
6	Horiz. Milling	0.4; 0.8; 1.6; 3.2; 6.3; 12.5µm (16; 32; 63; 125; 250; 500µm)
6	Vert. Milling	0.4; 0.8; 1.6; 3.2; 6.3; 12.5µm (16; 32; 63; 125; 250; 500µm)
6	Turning	0.4; 0.8; 1.6; 3.2; 6.3; 12.5µm (16; 32; 63; 125; 250; 500µm)

Noga Mag Base / Indicator Combo



- Standard Holder DG1033 (165-350)
- 11" reach
- Powerful On/Off magnetic base (80kg/f)
- 0 - 0.4", 0.0005" Coolant Proof Indicator (200-075)
- Water resistant
- Reverse counter
- Lugback (1/4" hole)
- AGD2
- Interchangeable point



Code No.: 500-228

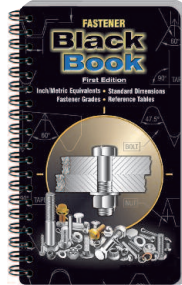
\$262.05

www.sowatool.com

ACCESSORIES

Fastener Black Book

- Inch
- ISO & DIN Specifications
- Fastener Platings & Finishes
- Pre-Loads & Tightening Torques
- Thread Terminology & Classifications
- Standard Grades, Tolerances & Markings
- Thread Forms, Heads, Points, Materials and Coatings



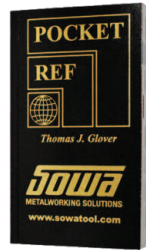
Includes a Free Thread Gauge!

Code No.: 180-156 **\$45.73**

Pocket Reference Book 4th Edition

Information for do-it-yourselfers, engineers, craftsmen, students, teachers, managers, maintenance & industrial personnel, and travelers. The ultimate reference and problem solver. The uses for this book are endless! 864 pages of valuable information in an easy to use pocket reference book. 3.2" x 5.4" x 0.8"

- Automotive
- Steels & Metals
- Electrical
- Tools
- Weights & Properties of materials
- Geology
- Math
- Welding
- Conversion tables and much more



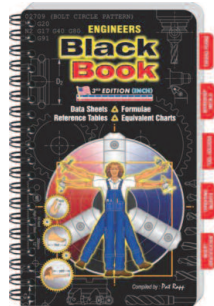
Code No.: 180-175 **\$22.02**

Engineers Black Book - 3rd Edition - Imperial Edition

The all new 3rd Edition has been released with 40% more page content.
Full Colour - Pocket Sized - Lay Flat Format - Highly Durable - Anti-Glare

Easy to use **Pocket Book** contains a wealth of up to date, useful, practical, and hard to find information.

- Tables
- Grind Wheels
- Bolts & Nuts
- Tapers
- Tapping Drill Sizes
- Tolerances
- Spur Gear Calculations
- Hardening and Tempering
- Sharpening Information
- Illustrations
- Lubricants-Coolants
- Plastics
- Weights of Metals
- Equivalent Charts
- Tungsten Carbide
- Standards
- Conversion Factors
- Formulae
- Keys and Keyways
- Speeds and Feeds
- G Codes
- Engineering Drawing Standards
- Geometrical Construction



- Free set of self-adhesive bookmarking tabs

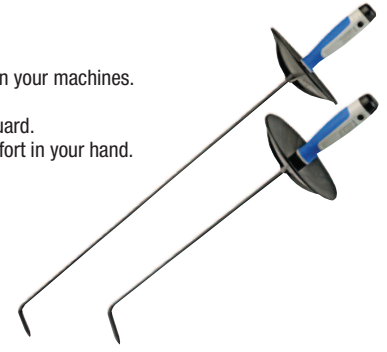
Code No.: 180-151 **\$51.94**

Chip Hooks - SP2500 & SP2550



For removing chips and clean the chip trays on your machines. Black finished steel hooks.

The Chip Hooks include a plastic protective guard. NogaGrip Handle designed for maximum comfort in your hand.



Model	Length	Code No.	SALE \$
SP2500	400mm	165-488	32.39
SP2550	600mm	165-490	36.64

GS SHRINK FIT TOOLING w/ COOLANT PORTS

NEW

Each holder has 4 01.8mm coolant ports in the nose delivering coolant directly to the tool. You no longer need to maintain a separate inventory of coolant thru tools.

Made to the same high quality standards as the previous line of GS Shrink Fit holders.

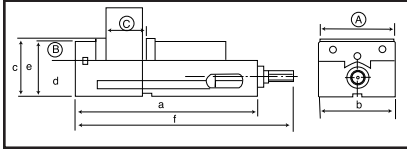


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WORKHOLDING

Precision Lock-Well II Milling Vises

This slightly modified version of the famous AUTO-WELL Lock-Well vise has features including the exclusive LOCK DOWN principle which guarantees that the movable jaw stays securely down during machining.

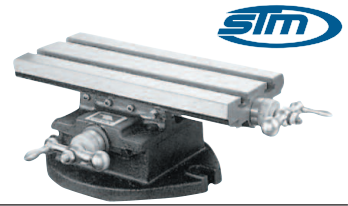


Model No.	A	B	C	a	b	c	d	e	f	Weight	Code No.	SALE \$
AMC-40	102	40	120	332	105	108	68	100	372	20 kg	327-150	571.95
AMC-60	152	44	146	370	154	117	73	111	438	30 kg	327-155	727.35

Cross Table VCT-512

Applied in general machines such as compounding machine, drilling machine, etc., or large objects of special shape which cannot be clamped by common vises.

- Lateral moving travel on surface: 11"
- Longitude moving travel on surface: 6"



Model No.	Table (mm)	Height (mm)	Travel (mm)	Base (mm)	Dial Grad. (mm)	Net Weight (kg)	Code No.	SALE \$
VCT-512	300 x 140	115	200 x 125	225 x 200	0.03	16.6	230-965	804.86

Precision Boring Heads



- Ideal for mill or jig bore operation
- These heads readily adapt to many different machines due to interchangeable shanks



Head Dia.	Hole Size	Offset	Code No.	SALE \$
2"	1/2"	1/2"	356-001	107.66
3"	3/4"	3/4"	356-002	155.19
4"	1"	1"	356-003	264.46

Shanks For Boring Heads



Size	Thread	Code No.	SALE \$
R8	1-1/2" - 18TPI	356-010	74.90
ISA40	1-1/2" - 18TPI	356-012	91.56
3/4" S.S.	1-1/2" - 18TPI	356-018	58.31
MT4	1-1/2" - 18TPI	356-020	83.23
1" S.S.	1-1/2" - 18TPI	356-025	58.31



8" Front Mount 3 Jaw Cast Iron Body Scroll Chuck



Features:

- 3 jaw, self-centering scroll chuck with manual gripping and a high quality cast iron body
- Smart design, allowing inner parts to be replaced quickly
- Mounted on the machine-tool spindle from the back of the chuck, using the adapter plate

Application:

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

- Chuck Size: 8"
- Hole Size: 2.1654"
- Weight lbs: 39

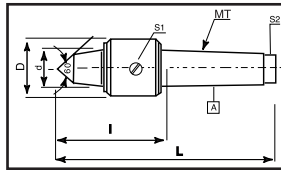
Code No.: 440-813

\$819.42

Skoda Extended Point Live Centres - CSN 243328M



- Designed to keep dust, chips and coolant from coming inside the bearings
- Hardened and ground to 61-65 Rockwell
- Concentricity within .0002"



Morse Taper	D (in.)	d (in.)	L (in.)	I (in.)	Max. RPM	Load (lb)	Weight (lb)	Point Angle	Code No.	SALE \$
2	1.417	0.866	5.059	2.560	6,000	594	.79	60°	310-160	203.77
3	1.850	1.181	6.575	3.386	5,000	704	1.85	60°	310-165	241.99
4	2.165	1.378	8.169	4.094	4,000	2200	3.19	60°	310-170	304.43
5	2.736	1.772	10.197	5.078	3,500	3960	7.04	60°	310-175	398.51
6	3.504	2.362	13.425	6.319	2,500	7040	17.05	60°	310-180	737.03

Pricing valid from January 1 to March 31, 2020 or while quantities last.

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Printed in Canada