



INDUSTRIAL INC.

Toronto | Montréal | Edmonton

www.kar.ca

WINTER WARMUP

**SAVE NOW
ON VISES &
ACCESSORIES**

AUTOWELL®

**PRECISION MILLING
MACHINE VISES**

FCD-60 Ductile Iron



6 x 7.5 Inch | Code 277064

558.61



6 x 8.9 Inch | Code 277065

606.85



8 x 10 Inch | Code 277066

1249.43

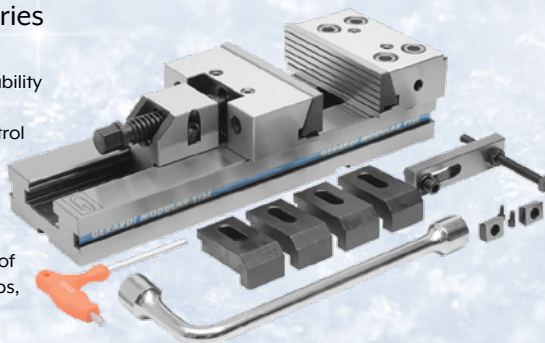
REPLACEMENT PARTS & ACCESSORIES ALSO AVAILABLE AT KAR: <https://tinyurl.com/v6c32ck3>



MODULAR SYSTEM VISES

Standard Series

- Modular design for easy interchangeability
- Hardened and ground steel
- Manufactured under rigid quality control
- Fixed vise with guided movable jaw
- High alloyed quality resistance steel, case hardened (HRC 60 ±2)
- Unlimited clamping range
- Supplied with one workstop, one pair of positioning key nuts, two pair of clamps, one box wrench and one "T" wrench



4 x 3.9 Inch
Code 278000

1176.93

5 x 5.9 Inch
Code 278002

1295.71

6 x 7.8 Inch
Code 278004

1412.94

6 x 11.1 Inch
Code 278006

1648.93

ALL VISE DIMENSIONS AT KAR.CA: <https://tinyurl.com/tu8hapjp>

POPULAR ACCESSORY

DEAD BLOW HAMMERS

Polyurethane
Coated
Thermoplastic
Rubber | 1 piece
Steel construction
with steel shot



**NO
EXPOSED
METAL**

Hammer hardness 90A-95A

18 oz.	284560	23.33
24 oz.	284561	26.15
33 oz.	284562	32.61
41 oz.	284563	37.30
49 oz.	284564	44.09

**NON-SLIP
SAFE GRIP
HANDLE**

YOUR AUTHORIZED KAR DISTRIBUTOR:

TECHNICUT
INDUSTRIAL SUPPLY INC.

Unit 201-9466 189th Street, Surrey, B.C. V4N 4W7

604.888.4052 Fax 604.888.4072

MAKING IT EASY TO DO BUSINESS WITH SINCE 1954... CONTACT YOUR LOCAL KAR DISTRIBUTOR TODAY!

WINTER WARMUP

SAVE NOW

ON ALL IN-STOCK * TOOLING COMPONENTS & CLAMPING
THREAD INSERTS | SPRING & BALL PLUNGERS | ACCESSORIES

ON SALE



Northwestern

* by Northwestern



TOOLING COMPONENTS & CLAMPING

CLAMPING SETS	Starting at	416. ⁴⁴
CLAMPING STUDS	Starting at	2. ⁶⁰
STEP BLOCKS	Starting at	13. ⁹⁰
COUPLING NUTS	Starting at	3. ⁴¹
FLANGED NUTS	Starting at	3. ⁴⁰
T-SLOT NUTS	Starting at	4. ⁴³
T-SLOT BOLTS	Starting at	6. ⁴²
TOE CLAMPS	Starting at	26. ²²
PLAIN CLAMPS	Starting at	15. ⁸⁴
STEP CLAMPS	Starting at	17. ⁶¹

THREAD INSERTS

RE-NU THREAD REPAIR INSERTS	Starting at	2. ⁸⁷
RE-NU THREAD REPAIR KITS	Starting at	152. ⁵²

SPRING & BALL PLUNGERS

SPRING PLUNGERS	Starting at	7. ⁸⁰
BALL PLUNGERS	Starting at	7. ²⁸
PLUNGER WRENCHES	Starting at	18. ³⁴

ALL NORTHWESTERN PRODUCTS AT **KAR** | <https://kar.ca/catalogsearch/result/index/?manufacturer=1768&q=Northwestern>

MACHINE LAMPS

Universal Waterproof | Halogen



- 50W halogen lamp
- Waterproof
- 120V connection (6ft cord)
- Handle on head allows easy positioning
- 24V

UNIVERSAL WITH TRANSFORMER (in base)	
JW 55RTS Short	Code 302961 121.⁶⁴
UNIVERSAL WITHOUT TRANSFORMER (for connection to machines)	
JW 55RS Short	Code 302942 85.⁰⁴

- 20W halogen lamp
- Vibration resistant
- 120V connection (6 ft. cord)
- Articulating arm

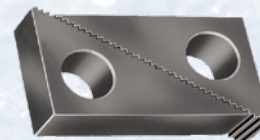
HALOGEN WITH TRANSFORMER (in base)	
JH 20RTS Short	Code 302962 77.⁴⁹
JH 20RTM 18 (9+9)	Code 302963 76.⁴⁵
HALOGEN WITHOUT TRANSFORMER (for connection to machines)	
JH 20RS Short	Code 302945 60.²²
JH 20RM 18 (9+9)	Code 302946 70.²⁸
JH 20RL 32 (16+16)	Code 302947 73.⁶¹
REPLACEMENT BULBS	
24V Bulb	Code 302954 11.⁹⁴
12V Bulb	Code 302952 13.⁶⁹

BLOWOUT PRICES

While Quantities Last

STEP BLOCKS

Matched Pairs



3/4" - 1-1/2" x 1"	Code 400101	9.¹⁴
1-1/8" - 2-1/2" x 1	Code 400102	28.⁷²
2-1/2" - 6" x 1"	Code 400103	33.²⁴
3-1/2" - 9" x 1-1/2"	Code 400116	113.²⁰
1-1/2" - 3-3/4" x 2"	Code 400127	17.²⁶
2-1/2" - 6" x 2"	Code 400128	28.²⁸
3-1/2" - 9" x 2"	Code 400129	53.⁴⁹

DIMENSIONS: Height Adjustability x Stud Width

SAVINGS START NOW

BORING HEAD SETS

Boring Bars & Wrenches
Supplied in Fitted
Storage Cases

3/4" Straight Shank (Plastic Storage Case)
0-4" Capacity | 1/2" Bore Size

Code 302425 **496.³⁴**

R8 Shank (Wooden Storage Case)
0-6" Capacity | 3/4" Bore Size

Code 302430 **797.⁵⁵**



<https://kar.ca/catalogsearch/result/?q=302425+302430>

ER COLLET SETS

Inch & Metric Sets
Supplied in Fitted
Storage Case



Collet Size	INCH			METRIC		
	Pieces /set	Code	Price	Pieces /set	Code	Price
ER16	7	826617	119.¹⁸	8	302685	160.¹²
ER20	10	826618	171.⁸⁴	11	302686	228.⁷⁶
ER25	12	826619	223.⁹⁶	15	302689	341.⁰¹
ER32	11	826620	215.²⁸	18	302687	430.³⁶
ER40	15	826621	386.⁹³	23	302688	675.⁶⁷

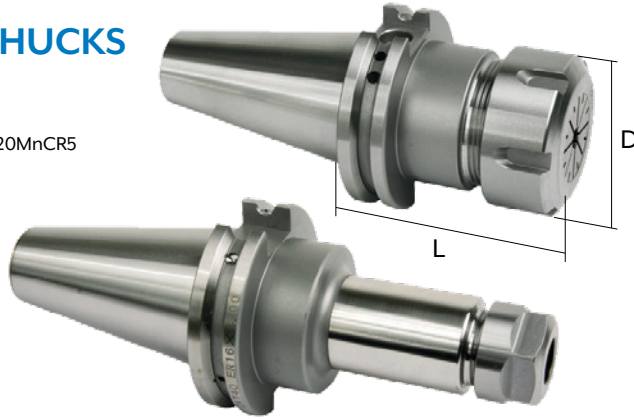


ER COLLET CHUCKS

CAT40 & CAT50

- Constructed of high quality alloy steel - SAE8620/20MnCR5
- Taper to taper runout: <0.0002"
- Coolant through spindle
- CAT40 balanced G2.5@20,000 RPM
- CAT50 balanced G6.3@15,000 RPM
- Balanced tools supplied with QA certificates
- Supplied with depth set screws
- Supplied with high torque hard coat power nuts
- Taper shank ground to AT3 accuracy or better
- DIN AD+B flange coolant

NOTE: Collet wrench sold separately



**NEW
LOWER PRICES**

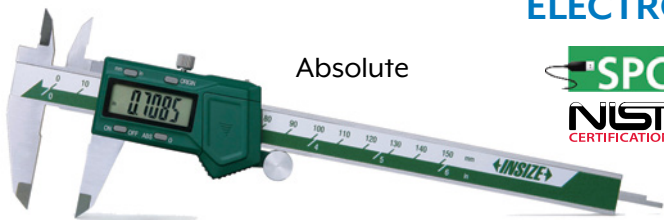
ASK YOUR DISTRIBUTOR
HOW TO SAVE WITH COMPLETE
TOOLING PACKAGES FROM **KAR**

Collet Series	Collet Capacity Min-Max (Inch)	Nut	D (Inch)	L (Inch)	CAT40 ER COLLET CHUCK			CAT50 ER COLLET CHUCK		
					Weight (lbs)	Code	Price	Weight (lbs)	Code	Price
ER11	0.02-0.28	HEX	0.79	2.50	2.0	300681	89. ⁹⁹	—	—	—
			0.79	4.00	2.2	300682	94. ⁹⁹	—	—	—
			0.79	6.00	2.4	300683	104. ⁵⁰	—	—	—
ER16	0.02-0.41		1.10	2.50	2.4	310965	89. ⁹⁹	—	—	—
			1.10	4.00	3.2	310966	94. ⁹⁹	7.3	312054	134. ⁹⁹
			1.10	5.00	3.2	310967	104. ⁵⁰	—	—	—
			1.10	6.00	—	—	—	7.9	312055	154. ⁹⁹
ER20	0.02-0.50		1.34	2.50	2.4	310968	89. ⁹⁹	—	—	—
			1.34	4.00	3.5	310969	94. ⁹⁹	7.4	312056	134. ⁹⁹
			1.34	6.00	3.7	310970	104. ⁵⁰	8.1	312057	154. ⁹⁹
ER25	0.04-0.63		1.65	2.50	2.6	310971	89. ⁹⁹	—	—	—
			1.65	4.00	4.5	310972	94. ⁹⁹	7.8	312058	134. ⁹⁹
			1.65	6.00	4.4	310973	104. ⁵⁰	8.8	312059	154. ⁹⁹
ER32	0.04-0.81	ROUND	1.97	2.75	2.6	310974	89. ⁹⁹	—	—	—
			1.97	4.00	6.8	310975	94. ⁹⁹	8.1	312060	134. ⁹⁹
			1.97	6.00	4.4	310976	104. ⁵⁰	9.5	312061	154. ⁹⁹
ER40	0.12-1.00		2.48	3.00	3.0	310977	89. ⁹⁹	—	—	—
			2.48	4.00	—	—	—	8.9	312062	134. ⁹⁹
			2.48	6.00	3.0	310978	104. ⁵⁰	11.8	312063	154. ⁹⁹

WINTER WARMUP

←INSIZE→ TOOLS THAT MEASURE UP

ELECTRONIC CALIPERS



Absolute



OPTIONAL ACCESSORY: SPC cable

- Resolution: 0.0005"/0.01mm
- Buttons: Inch/mm, ABS/REL, on/off, origin set
- Battery CR2032
- Auto power off
- Data output
- Stainless steel
- Supplied in fitted storage case

0-6"/0-150mm
Code 285127

103.41

0-8"/0-200mm
Code 285128

142.89

0-12"/0-300mm
Code 285129

205.94

Long Range | 24 & 40 Inch/600 & 1000mm



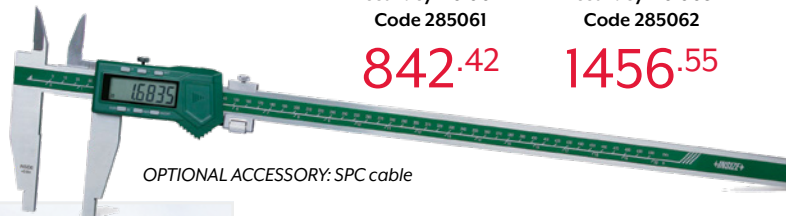
- Resolution: 0.0005"/0.01mm
- Button function: on/off, zero, inch/mm, ABS, data preset
- Battery CR2032
- Stainless steel
- Data output
- Supplied in fitted storage case

0-24"/0-600mm
Accuracy: $\pm 0.002"$
Code 285061

842.42

0-40"/0-1000mm
Accuracy: $\pm 0.003"$
Code 285062

1456.55



OPTIONAL ACCESSORY: SPC cable



SAVE NOW

on these featured essentials for the Red Seal Machinist's toolbox!



ELECTRONIC CALIPERS

Coolant Proof



- Resolution: 0.0005"/0.01mm
- Accuracy: $\pm 0.0015"$
- Coolant proof, IP67 Ingress protection level
- Button functions: zero, on/off, inch/mm, ABS/REL, hold
- Battery CR2032
- Stainless steel
- Supplied in fitted storage case

0-6"
0-150mm
Code 816018
171.39

0-8"
0-200mm
Code 280014
295.42

0-12"
0-300mm
Code 280015
342.56



COMBINATION SQUARE

12 Inch Rule & Square Head



- Used as square, level, scribe, marking gage, and 12" steel rule
- Square Head: to set the blade at 90° or 45° to an edge of a workpiece - Accuracy: $\pm 8\text{min.}$ for 90° square and $\pm 10\text{min.}$ for 45° square
- 12" Steel Rule: 1/8" and 1/16" graduations on one side, 1/32" and 1/64" on reverse side
- Supplied in fitted storage case

2-Piece SET
Rule & Square
Code 877154
48.41

RULES

- 4R graduation
- 1/64" and 1/32" on front, 1/16" and 1/8" on back
- Rigid with non-glare surface



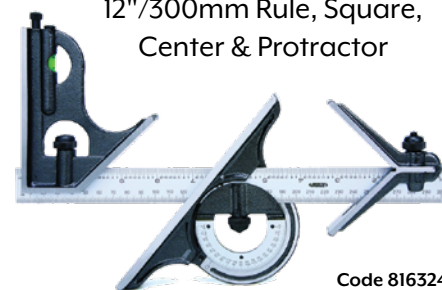
6 Inch | $\pm 0.003"$ accuracy.....Code 877203 1.67

12 Inch | $\pm 0.004"$ accuracy.....Code 877201 2.95

24 Inch | $\pm 0.006"$ accuracyCode 877202 5.90

COMBINATION SQUARE

12"/300mm Rule, Square, Center & Protractor



Code 816324

OPTIONAL ACCESSORY:
Rigid Rule 283606 (7113-300)

154.59

- Used as square, level, marking gage, scribe, center gage, protractor and 12" steel rule
- Center Head: to locate center of round workpieces - Accuracy: $\pm 0.006"$
- Protractor Head: to set the blade at desired angle to an edge of a workpiece, and may be used to measure angles - Range: 0-180°; Accuracy: $\pm 7\text{min.}$
- Square Head: to set the blade at 90° or 45° to an edge of a workpiece - Accuracy: $\pm 8\text{min.}$ for 90° square and $\pm 10\text{min.}$ for 45° square
- 1/32" & 0.5mm graduations side 1, 1/64" & 1mm graduations side 2
- Supplied in fitted storage case

SAVINGS START NOW

INSIZE EXCLUSIVELY AVAILABLE FROM KAR IN CANADA

ELECTRONIC INDICATORS | Standard Model

- Meets ASME B89.1.10M-2001 standards
- Resolution: 0.0005"/0.01mm
- Accuracy: ± 0.0015
- Hysteresis: 0.0005"
- Button function: on/off, inch/mm, zero
- Auto power off
- Battery CR2032
- Data output
- Lug back
- Contact point thread #4-48UNF
- Supplied in fitted storage case



Range 0.5"/12.7mmCode 877010 **138.86**
 Range 1"/25.4mmCode 816393 **145.24**
 Range 2"/50.8mmCode 816395 **357.98**



PORTABLE LEEB HARDNESS TESTER

- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC and HRB), Shore (HS) and tensile strength (MPa)
- Memory of 99 measurement values for browsing
- Set measurement times (1-9) to have average value
- Connects to printer via bluetooth (optional)
- Automatic power off
- ASTM A956 standards
- Supplied with manufacturer inspection certificate



ISH-PHB
Code 816432
1510.74

INCLUDES ONE OF EACH: Hardness tester, Impact device D, Hardness test block D, Small support ring, Cleaning brush

FIND COMPLETE DETAILS AT WWW.KAR.CA

https://kar.ca/pdf/catalog_page/Kar_Catalog_Page_INSIZE_ISH-PHB.pdf

ROUGHNESS TESTER



Combine probe and tester



ISR-C300
Code 877234
2827.32

- Operated with mobile phone (Android OS only) via Bluetooth, or PC via USB cable (cables and software included)
- Output data to MS Excel by connecting computer via Bluetooth or USB cable
- Connects to printer via bluetooth (optional)
- Tests 22 various roughness parameters
- Meets ISO, DIN, ANSI and JIS standards
- Displays roughness values, profile and curve on built-in screen
- Memory stores maximum 100 data measurement results
- Built-in rechargeable lithium battery with a working time of over 50 hours between charges
- Auto power off

INCLUDES ONE OF EACH: Roughness tester, Standard probe, Calibration block and support, Connection cable (long and short), Magnetic stand adapter, Adjustable stand, Touch pen, USB cable and software, AC/DC power adapter

FIND COMPLETE DETAILS AT WWW.KAR.CA

https://kar.ca/pdf/catalog_page/Kar_Catalog_Page_INSIZE_ISR-C300.pdf

WIRELESS DATA TRANSFER SYSTEM

RECEIVERS

Multi-channel

- Connect up to 8 transmitters, each with a unique identification code
- Text format virtual com port, converted to keyboard format with supplied software (data can be transmitted to Excel, Word, etc. – any software that receives keyboard signal)
- Using Excel directional input software, the measurement data of different measuring tools can be transmitted to the specified area in the sheet



7315-2
Code 877266

522.60

Single Channel Receiver

- Connect 1 transmitter only – change as required
- Not required to install drivers/software
- Keyboard format

7315-3
Code 877267

215.56

TRANSMITTERS

135.11/ea.



– for Electronic Calipers / Depth and Height Gages (series 1156)

7315-20 | Code 877268

– for Electronic Outside and 3-point Internal Micrometers

7315-30 | Code 877269

– for Electronic Indicators

7315-40M | Code 877270

– for Electronic Thickness / Internal-External Gages

7315-50M | Code 877271

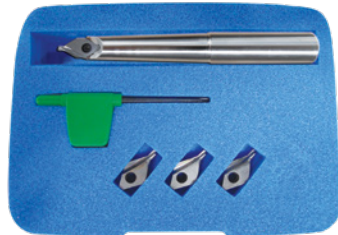
COMPLETE DETAILS AT WWW.KAR.CA

<https://tinyurl.com/3df7vu>

WINTER WARMUP

INDEXABLE COMBINED DRILL & COUNTERSINK SETS

with Carbide Inserts



SETS INCLUDE:

- 1 Holder
- 4 Carbide Inserts
- #2, #3, #4, #5 -
- 1 Torx® 9 Key

159.⁰²/ea. 5/8" x 5" Holder & 4 Inserts | Code 530671
1/2" x 4" Holder & 4 Inserts | Code 530672

- Secure insert pocket allows for quick and repeatable indexes
- Easy change over from one size to another - same body holds #2, #3, #4 and #5 inserts
- Carbide inserts for extended tool life
- One grade handles all applications
- Multiple bodies available for the same indexable insert (5/16", 3/8", 1/2", 5/8", 3/4", 1", and 1-1/4")
- Convenient, low-cost and economical



BROACH SETS

Standard & Heavy Duty



TiN coated sets available on request

- Supplied in storage boxes complete with precision broaches, slotted bushings, and necessary shims
- Collared bushings are recommended and supplied unless plain bushings are specified on your order

No. 00 PRECISION SET	605500	456.³⁵
No. 10 STANDARD SET	605501	796.⁸¹
No. 10A STANDARD SET	605502	796.⁸¹
No. 10-10A COMBINATION SET	605503	1023.¹⁵
No. 20 COMBINATION SET	605504	1179.⁰⁵
No. 40A SET	605505	1492.⁹⁴
No. 40 SET	605506	1492.⁹⁴
No. 40-1/2A HEAVY DUTY SET	605507	1538.⁶⁰

SET DETAILS AT WWW.KAR.CA

<https://tinyurl.com/p9ubf8mx>

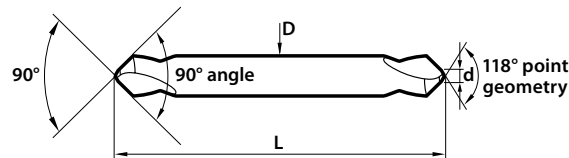


CNC SPOTTING DRILLS

HSS-E Cobalt - Uncoated & RED-X Coated



- 90° angle
- 118° point geometry for improved penetration rates while reinforcing the point
- Double ended for cost savings
- Available in 4-Piece sets or sold individually
- RED-X coating provides increased speeds and feeds and allows machining up to 55 HRC



Individual Spotting Drills

4-Piece Sets

(includes 1 of each individual size)

HSS-E Cobalt
Code 540090

RED-X Coated
Code 540095

65.⁹⁰

93.⁹⁷

D (Inch)	d (Inch)	L (Inch)	90° Series 019 HSS-E COBALT		90° Series 0919 RED-X COATED	
			Code	Price	Code	Price
3/16	1/16	2	540091	10.⁶⁴	540096	19.⁸²
1/4	3/32	2	540092	11.³⁰	540097	15.⁹⁸
3/8	9/64	3	540093	17.⁶⁸	540098	28.⁶⁹
1/2	3/16	4	540094	27.³⁷	540099	52.⁸²



COUNTERSINK SETS

High Speed Steel TiN Coated | Inch | 60°, 82° & 90°

Single Flute 6-Piece Sets

60° TiN | Code 601227
82° TiN | Code 601228
90° TiN | Code 601229

183.⁴²/ea.



With Hole 5-Piece Sets

60° TiN | Code 601291
82° TiN | Code 601292
90° TiN | Code 601293

260.⁵²/ea.



COMBINED DRILL & COUNTERSINKS

High Speed Steel | 82° & 90° Plain Type



Size	Ø Body (Inch)	Ø Point (Inch)	Point Length (Inch)	Overall Length (Inch)	82° Series 154 HSS M2		90° Series 155 HSS M2	
					Code	Price	Code	Price
1	1/8	3/64	1/16	1-1/4	540511	12.⁶⁸	540521	12.⁶⁸
2	3/16	5/64	7/64	1-7/8	540512	13.⁴¹	540522	13.⁴¹
3	1/4	7/64	9/64	2	540513	13.⁹⁶	540523	13.⁹⁶
4	5/16	1/8	5/32	2-1/8	540514	14.⁶⁰	540524	14.⁶⁰
5	7/16	3/16	1/4	2-3/4	540515	22.⁴²	540525	22.⁴²
6	1/2	7/32	19/64	3	540516	33.⁵⁰	540526	33.⁵⁰
7	5/8	1/4	5/16	3-1/4	540517	48.⁵⁷	540527	48.⁶³
8	3/4	5/16	13/32	3-1/2	540518	75.⁹⁴	540528	75.⁹⁴

SAVINGS START NOW



RED COLOUR BAND TAPS

Spiral Point Plug &
Spiral Flute Bottoming

- For high strength steel, nickel alloys, titanium, tool steel, and stainless steel



Size	OAL (Inch)	SPIRAL POINT PLUG		SPIRAL FLUTE BOTTOMING	
		Code	Price	Code	Price
4-40	1-7/8	915258	20. ²²	915220	26. ³⁰
5-40	1-15/16	915260	18. ⁵⁶	-	-
6-32	2	915262	16. ⁹⁰	915222	23. ⁸⁸
8-32	2-1/8	915264	16. ⁹⁰	915224	23. ⁵⁹
10-24	2-3/8	915266	16. ⁹⁰	915226	23. ⁵⁹
10-32	2-3/8	915268	16. ⁹⁰	915228	23. ⁵⁹
1/4-20	2-1/2	915270	20. ⁰⁶	915230	26. ³⁰
1/4-28	2-1/2	915272	20. ⁰⁶	915232	26. ³⁰
5/16-18	2-23/32	915274	22. ²⁸	915234	28. ⁸⁸
5/16-24	2-23/32	915276	22. ²⁸	915236	28. ⁸⁸
3/8-16	2-15/16	915278	25. ⁵²	915238	33. ³⁰
3/8-24	2-15/16	915280	25. ⁵²	915240	33. ³⁰
7/16-14	3-5/32	915282	36. ³³	915242	46. ⁷⁴
7/16-20	3-5/32	915284	36. ³³	915244	46. ⁷⁴
1/2-13	3-3/8	915286	39. ⁹⁶	915246	51. ⁴¹
1/2-20	3-3/8	915288	39. ⁹⁶	915248	51. ⁴¹
5/8-11	3-13/16	915290	92. ⁰⁷	915250	116. ³⁷
5/8-18	3-13/16	915292	92. ⁰⁷	915252	116. ³⁷
3/4-10	4-1/4	915294	118. ⁹⁶	915254	149. ¹⁹
3/4-16	4-1/4	915296	118. ⁹⁶	915256	149. ¹⁹

COMPLETE DETAILS AT WWW.KAR.CA

<https://tinyurl.com/keyy7u3e>

JOBBER LENGTH DRILLS

Solid Carbide & High Speed Steel Gold-P Coated

Solid Carbide | 118° Point

- For drilling steels in general – cast steels, cast iron, chilled cast iron, malleable cast iron, non-ferrous heavy metals, non-ferrous light metals, and abrasive plastics

HSS Gold-P Coated | *135° Split Point

- Straight shank
- Flute Geometry: right hand spiral with wider flutes
- Point Angle: 135° split point on sizes 0.059" diameter and over
- Surface treatment: bright body with TiN coating on working part
- Application: drilling in steel, cast steel (alloyed and non-alloyed), grey cast iron, graphite, and malleable cast iron

* HSS GOLD-P drills 135° split point on sizes 0.059" diameter and over



Size (Inch)	Decimal (Inch)	SOLID CARBIDE				HSS GOLD-P COATED			
		118° POINT				* 135° SPLIT POINT			
		LOC (Inch)	OAL (Inch)	Code	Price	LOC (Inch)	OAL (Inch)	Code	Price
1/32	0.0312	5/16	1-1/4	952088	19. ⁷⁸	-	-	-	-
3/64	0.0469	3/4	1-1/2	952090	12. ⁰⁹	3/4	1-3/4	883020	1. ⁷⁷
1/16	0.0625	3/4	1-1/2	952092	12. ¹⁵	7/8	1-7/8	883021	1. ⁶⁴
5/64	0.0781	7/8	1-3/4	952094	12. ⁹⁰	1	2	883022	1. ⁶⁴
3/32	0.0938	1	2	952096	14. ⁶⁰	1-1/4	2-1/4	883023	1. ⁶⁴
7/64	0.1094	1-1/4	2-1/4	952098	15. ⁸⁷	1-1/2	2-5/8	883024	1. ⁶⁴
1/8	0.1250	1-1/4	2-1/4	952100	16. ⁶⁴	1-5/8	2-3/4	883025	1. ⁶⁴
9/64	0.1406	1-3/8	2-1/2	952102	19. ⁵⁰	1-3/4	2-7/8	883026	1. ⁶⁶
5/32	0.1563	1-3/8	2-1/2	952104	20. ⁵⁷	2	3-1/8	883027	1. ⁷⁷
11/64	0.1719	1-5/8	2-3/4	952106	24. ¹¹	2-1/8	3-1/4	883028	1. ⁸⁸
3/16	0.1875	1-5/8	2-3/4	952108	24. ⁴²	2-5/16	3-1/2	883029	2. ⁰⁸
13/64	0.2031	1-3/4	3	952110	29. ³⁵	2-7/16	3-5/8	883030	2. ⁵²
7/32	0.2188	1-3/4	3	952112	30. ¹⁷	2-1/2	3-3/4	883031	2. ⁵⁷
15/64	0.2344	2	3-1/4	952114	35. ⁸⁸	2-5/8	3-7/8	883032	2. ⁸⁷
1/4 (E)	0.2500	2	3-1/4	952116	35. ⁸⁸	2-3/4	4	883033	2. ⁹⁵
17/64	0.2656	2-1/8	3-1/2	952118	37. ⁹³	2-7/8	4-1/8	883034	3. ³⁹
9/32	0.2812	2-1/8	3-1/2	952120	40. ⁶⁴	2-15/16	4-1/4	883035	3. ⁷⁸
19/64	0.2969	2-3/8	3-3/4	952122	45. ⁰⁵	3-1/16	4-3/8	883036	4. ¹⁷
5/16	0.3125	2-3/8	4	952124	47. ⁶²	3-3/16	4-1/2	883037	4. ⁵³
21/64	0.3281	2-1/2	4	952126	51. ⁹⁴	3-5/16	4-5/8	883038	4. ⁹⁶
11/32	0.3438	2-1/2	4-1/4	952128	57. ⁶³	3-7/16	4-3/4	883039	5. ⁴⁹
23/64	0.3594	2-3/4	4-1/4	952130	62. ⁸⁷	3-1/2	4-7/8	883040	6. ¹⁴
3/8	0.3750	2-3/4	4-1/2	952132	68. ²¹	3-5/8	5	883041	6. ²⁷
25/64	0.3906	2-7/8	4-1/2	952134	77. ⁰⁹	3-3/4	5-1/8	883042	7. ¹⁴
13/32	0.4062	2-7/8	4-1/2	952136	85. ⁵³	3-7/8	5-1/4	883043	7. ³³
27/64	0.4219	2-7/8	4-1/2	952138	93. ⁶⁸	3-15/16	5-3/8	883044	7. ⁹¹
7/16	0.4375	2-7/8	4-1/2	952140	101. ³⁸	4-1/16	5-1/2	883045	8. ⁵⁸
29/64	0.4531	3	4-3/4	952142	109. ⁷⁹	4-3/16	5-5/8	883046	9. ⁴⁵
15/32	0.4688	3	4-3/4	952144	118. ¹⁹	4-5/16	5-3/4	883047	10. ⁰⁰
31/64	0.4844	3	4-3/4	952146	121. ⁶⁷	4-3/8	5-7/8	883048	10. ⁶⁵
1/2	0.5000	3	4-3/4	952148	126. ¹⁵	4-1/2	6	883049	11. ¹⁰



SELF-STARTING STEP DRILLS

High Speed Steel



- 13 Steps | Ø range 1/8 to 1/2"Code 754700 **47.⁵⁰**
- 6 Steps | Ø range 3/16 to 1/2"Code 754701 **39.²⁵**
- 9 Steps | Ø range 1/4 to 3/4"Code 754702 **61.⁸¹**
- 12 Steps | Ø range 3/16 to 7/8"Code 754703 **82.⁸⁵**

WINTER WARMUP

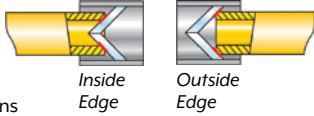
HAND DEBURRING

SHAVIV

Plum-Burrs

Heavy Duty and Standard Pipe Cleaners

- Perfect tool to deburr tubing on both inner and outer edges
- Excellent for plumbers, installers and electricians
- Use for aluminum, copper and brass tubing



Plum-Burr Metal
1/4" to 1-5/8" tubing range
Code 550999

37.45



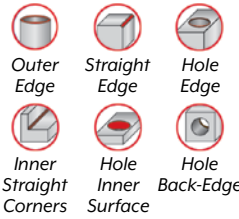
Plum-Burr Plastic
3/16" to 1-1/2" tubing range
Code 550998

17.94

Plastics Deflashing | Set KPA



Classic Handle A



- The complete kit for deflashing plastics
- **Set Contains:**
Mango II handle
UB38 deburring tool
Holders - B, E, G3 and LP
Blades - BI2, B25, EI10, E700, G30C and LI0

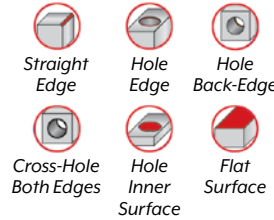
Mango KPA
Code 550626

119.25

Classic KPA
Code 550814

125.99

Ultra-Fine Finish | Set U



- Ultra-fine finish kit for precision workpieces
- **Set Contains:**
Aluminum handle, Non-rotating U holder, Rotating B holder, Four B blades for rotational deburring - BI0, BI1, B20 and B30, Four interchangeable U scrapers - BUS1, BUS2, BUS31 and BUS4, E500C scriber

Set U
Code 550940

110.72

SHAVIV Exclusively Available at **KAR** in Canada

END MILLS



Micrograin Solid Carbide | Uncoated & TiAlN-Futura Coated | 4 Flute | Center Cut

- Suitable for cutting hardened and high alloy steels, steel casting, chill casting, malleable cast iron, CrNi-steels, brass, copper, aluminum with a high percentage of silicon and abrasive plastics



Tolerance: 0/-0.0012



Ø Cutter (Inch)	Ø Shank (Inch)	LONG LENGTH						EXTRA LONG LENGTH					
		LOC (Inch)	OAL (Inch)	UNCOATED		TIALN-FUTURA		LOC (Inch)	OAL (Inch)	UNCOATED		TIALN-FUTURA	
				Code	Price	Code	Price			Code	Price	Code	Price
1/8	1/8	3/4	2-1/4	932892	11. ⁰⁰	934580	14. ⁹⁶	1	3	932744	13. ²³	934620	17. ⁶⁶
3/16	3/16	3/4	2-1/4	932895	12. ⁵¹	934900	16. ³⁷	1-1/8	3	932747	15. ⁰²	934911	19. ⁴⁴
1/4	1/4	1-1/8	3	932898	15. ³⁶	934582	19. ⁸¹	1-1/2	4	932750	18. ⁵¹	934622	24. ⁵⁹
5/16	5/16	1-1/8	3	932901	26. ⁷⁹	934583	34. ⁷⁸	1-5/8	4	932753	32. ¹²	934623	41. ⁸⁰
3/8	3/8	1-1/8	3	932904	33. ¹⁰	934901	49. ²¹	1-3/4	4	932756	39. ⁷⁷	934912	49. ²¹
7/16	7/16	2	4	932907	62. ⁰⁷	934585	73. ²⁷	3	6	932759	99. ⁴⁰	934625	104. ⁷⁴
1/2	1/2	2	4	932910	64. ¹⁹	934586	73. ⁶⁵	3	6	932762	86. ⁷⁷	934626	120. ⁵⁷
5/8	5/8	2-1/4	5	932913	129. ⁰³	934902	142. ⁷⁸	3	6	932765	154. ⁸⁹	934913	172. ⁹⁹
3/4	3/4	2-1/4	5	932916	167. ²⁵	934588	186. ⁷¹	3	6	932768	200. ⁶³	934628	226. ⁴⁵
1	1	2-1/4	5	932919	335. ¹⁶	934589	360. ³⁵	3	6	932771	402. ¹²	934629	432. ⁶⁴

BLOWOUT PRICES

While Quantities Last



METRIC THROW AWAY CUTTERS

Cobalt M42 | 3 Flute
Center Cut
Weldon Shank

Long Length

1.5 x 1/4 x 4.0 x 28.0	313186	3.17
2.0 x 1/4 x 4.5 x 29.0	313187	4.62
3.5 x 1/4 x 7.5 x 34.0	313189	4.11
4.0 x 1/4 x 9.5 x 39.0	313191	4.48

DIMENSIONS: Ø Cutter (mm) x Ø Shank (Inch) x LOC (mm) x OAL (mm)

Regular Length

1.5 x 1/4 x 2.5 x 24.5	313178	3.20
2.0 x 1/4 x 3.0 x 25.5	313179	3.45
3.0 x 1/4 x 4.5 x 28.0	313181	4.04
3.5 x 1/4 x 5.5 x 30.0	313182	3.65
5.0 x 1/4 x 7.5 x 36.0	313184	4.19



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Offer valid until April 1st, 2022

*Products shown may not be exactly as illustrated Code 000313

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