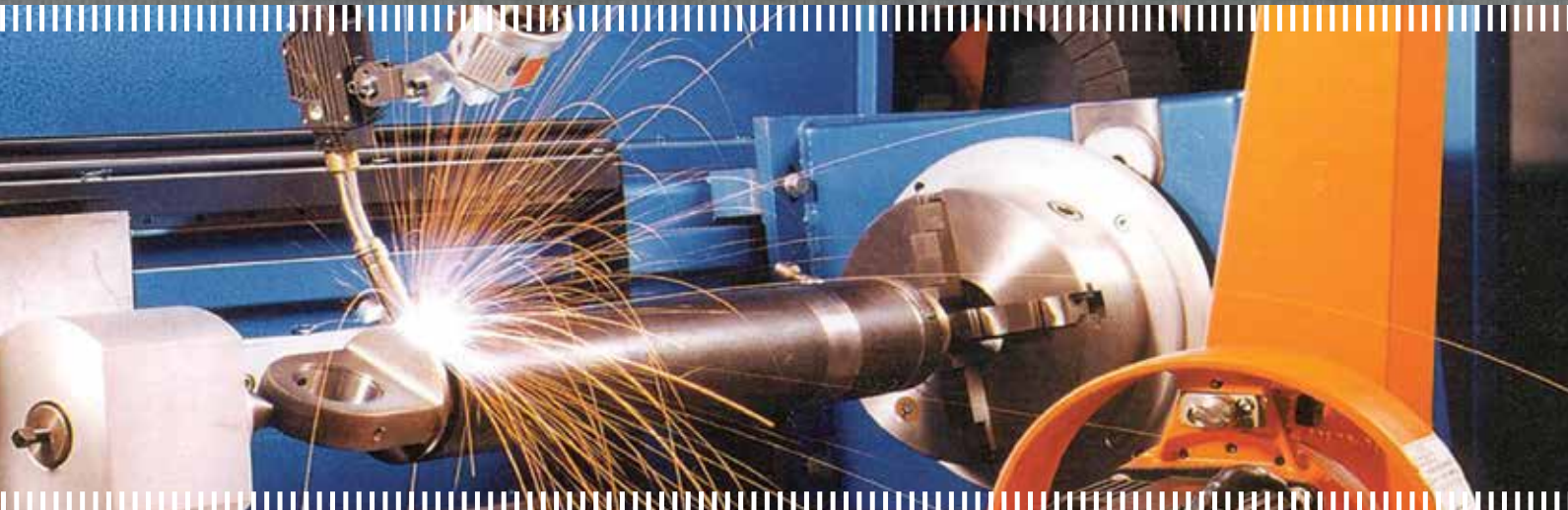


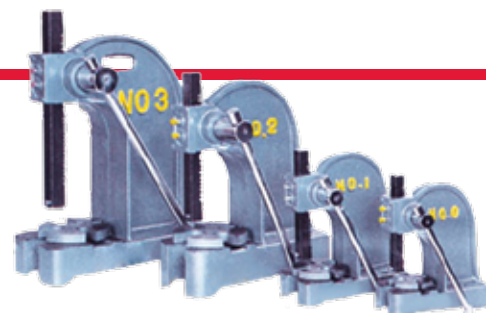
FALL FABRICATION SALE



Arbor Presses

- ▶ All main parts made of ductile cast iron
- ▶ Adjustable handle for convenient positioning
- ▶ Ram finite control with smooth gears
- ▶ Four 90 degree equally divided slotted round table

NOTE: Not recommended for broaching



Standard

Base Dimensions	Press Height	Press Tons	Max. Work Height	Swing	Table Diameter	Ram Dimensions	Code	Price
9.25" x 4.02"	10"	0.5	4.5"	3.3"	3.5"	0.75" x 0.75"	680105	\$ 151.90
10.63" x 5"	12.6"	1	5.5"	4.1"	4.3"	1" x 1"	680110	194.30
15.75" x 6.69"	17.5"	2	8.5"	5.3"	6.7"	1.25" x 1.25"	680115	364.40
18.5" x 7.87"	22.4"	3	12.5"	5.3"	6.7"	1.5" x 1.5"	680120	534.40
26.77" x 9.84"	31.5"	5	18.5"	9.6"	9.8"	2" x 2"	680130	1,578.70

Economy

Base Dimensions	Press Height	Press Tons	Max. Work Height	Largest Arbor	Table Diameter	Ram Dimensions	Ram Length	Press Distance Ram/Column	Code	Price
4" x 9.5"	10"	0.5	4.5"	1.12"	3.35"	0.75" x 0.75"	7.5"	3.37"	218002	\$ 61.60
5" x 11"	12"	1	5.25"	1.37"	3.54"	1" x 1"	9.5"	4.25"	218003	88.60
6.75" x 17"	17"	2	8.5"	1.75"	6.5"	1.25" x 1.25"	14"	6"	218004	217.20
8" x 8"	21.5"	3	12.62"	2.5"	7.48"	1.5" x 1.5"	18"	6"	218005	343.10

DISTRIBUTED BY:

UNITED
TOOL SUPPLY LTD.

FOR QUALITY, VALUE AND SERVICE CALL YOUR KAR DISTRIBUTOR TODAY!

Sharpening Stones

- ▶ Coarse and fine grit combined into one stone – 120 and 150 grit
- ▶ Dimensions: 1" x 2" x 6"



Aluminum Oxide
Code 604230

\$5.99

Silicon Carbide
Code 604231

\$5.99

Transfer Punch Sets

- ▶ 4-7/8" overall length
- ▶ All sets in metal indexed storage stand



*Individual transfer punches available.
Please inquire or visit us online at
www.kar.ca*

Description	Code	Price
28 punches - 3/32" to 1/2" by 64ths, plus 17/32"	415090	\$ 24.99
26 punches - Letter Sizes A-Z	415093	34.99
60 punches - Wire Gage Sizes 1-60	415096	39.00
33 punches - 1/2" to 1" by 64ths	415099	98.00
25 punches - 1mm to 13mm by 0.5mm	415100	34.99

Marking Pens

- ▶ Designed with a patented valve-action feature
- ▶ Tips can be recharged simply by pressing against a surface, allowing ink to flow from the reservoir



DYKEM



Colour	Description	Code	Price
Black	General Purpose (12 cc)	219077	\$ 5.60
White	General Purpose (12 cc)	219078	5.60
Yellow	General Purpose (12 cc)	219079	5.60
Red	General Purpose (12 cc)	219080	5.60
Blue	General Purpose (12 cc)	219081	5.60
Orange	General Purpose (12 cc)	219082	5.60
Green	General Purpose (12 cc)	219083	5.60
Black	Fine Line (3.3 cc)	219084	4.90
White	Fine Line (3.3 cc)	219085	4.90
Yellow	Fine Line (3.3 cc)	219086	4.90
Red	Fine Line (3.3 cc)	219087	4.90
Blue	Fine Line (3.3 cc)	219088	4.90
Orange	Fine Line (3.3 cc)	219089	4.90
Green	Fine Line (3.3 cc)	219090	4.90
Black	Ball Point Tex-Pens (26.8 cc)	219091	7.99
White	Ball Point Tex-Pens (26.8 cc)	219092	7.99
Yellow	Ball Point Tex-Pens (26.8 cc)	219093	7.99
Red	Ball Point Tex-Pens (26.8 cc)	219094	7.99
Blue	Ball Point Tex-Pens (26.8 cc)	219095	7.99
Orange	Ball Point Tex-Pens (26.8 cc)	219096	7.99
Green	Ball Point Tex-Pens (26.8 cc)	219097	7.99

Pin Punch & Center Punch Sets



- ▶ 8-piece set, 4" length
- ▶ Hardened and tempered
- ▶ Well proportioned for comfort with knurled finger grip

Pin Punch Set

1/16"	1.5 mm
3/32"	2.5 mm
1/8"	3.0 mm
5/32"	4.0 mm
3/16"	5.0 mm
7/32"	5.5 mm
1/4"	6.0 mm
5/16"	8.0 mm

Code 460041

\$24.99

Center Punch Set

1/16"	1.5 mm
5/64"	2.0 mm
3/32"	2.5 mm
1/8"	3.0 mm
9/64"	3.5 mm
5/32"	4.0 mm
3/16"	5.0 mm
7/32"	5.5 mm

Code 460042

\$24.99

Automatic Center Punches

Light Duty



5" Length
Code 460051

\$9.30

- ▶ For marking light dotting to heavy punching
- ▶ Pressure can be varied from 5 lbs to approximately 30 lbs simply by rotating knurled head

Heavy Duty



5-1/2" Length
5/8" Diameter
Code 460050

\$17.80

- ▶ For marking, punching, staking and riveting
- ▶ Fully automatic single hand operation
- ▶ Adjustable from very light to extra heavy markings
- ▶ Replaceable point made from hardened alloy steel

Center Punches

- ▶ Hardened and tempered tool steel
- ▶ Round shank with knurled grip



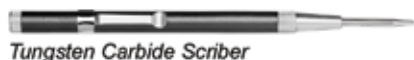
Size	Length	Body Diameter	Code	Price
1/16"	3"	1/4"	460031	\$ 2.60
5/64"	4"	5/16"	460032	2.60
3/32"	4"	5/16"	460033	2.80
9/64"	4"	3/8"	460034	2.60
5/32"	4"	7/16"	460035	2.60
5pc. Set	—	—	460040	11.90

Machinist's Tools

3-Piece Tool Set

Code 455505

\$55.70



Tungsten Carbide Scriber



Automatic Center Punch



Pocket Magnet Pick-up

Individual Tools

Scriber
Code 455501

\$19.60

Center Punch
Code 455502

\$20.10

Pick-Up
Code 455503

\$19.40

Steel Stamps

Letter Stamps



Size	Stamp	Code	Price
1/16"	LP/1-16	416101	\$ 16.50
3/32"	LP/3-32	416102	16.50
1/8"	LP/1-8	416103	16.50
5/32"	LP/5-32	416104	16.50
3/16"	LP/3-16	416105	16.50
1/4"	LP/1-4	416106	16.50

Number Stamps



Size	Stamp	Code	Price
1/16"	NP/1-16	416121	\$ 6.50
3/32"	NP/3-32	416122	6.50
1/8"	NP/1-8	416123	6.50
5/32"	NP/5-32	416124	6.50
3/16"	NP/3-16	416125	6.50
1/4"	NP/1-4	416126	6.50

Electronic Calipers

Fractional Reading

- Resolution: 0.0005", 1/128" (fractional), 0.01mm
- Accuracy: $\pm 0.0012"$
- Buttons: zero, unit (inch/fraction/mm), ABS (absolute and incremental measurement, on/off)
- Auto power off
- Battery CR2032
- DIN862, stainless steel construction, with locking clamp and thumb wheel, for outside, inside, depth and step measurements
- Data output
- Supplied in fitted storage case



0-6 Inch/0-150 mm
Code 280003

\$84.04

0-8 Inch/0-200 mm
Code 280004

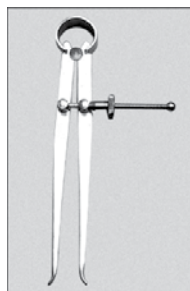
\$115.70

0-12 Inch/0-300 mm
Code 280005

\$149.16

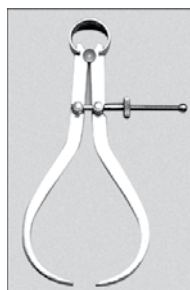
Spring Calipers & Dividers

Inside Spring Calipers



Size	Code	Price
3"	810163	\$ 5.60
4"	810164	7.00
6"	810166	7.80
8"	810168	10.20
10"	810170	12.90
12"	810172	16.20

Outside Spring Calipers



Size	Code	Price
3"	810173	\$ 5.80
4"	810174	7.00
6"	810176	7.80
8"	810178	10.20
10"	810180	13.30
12"	810182	16.20

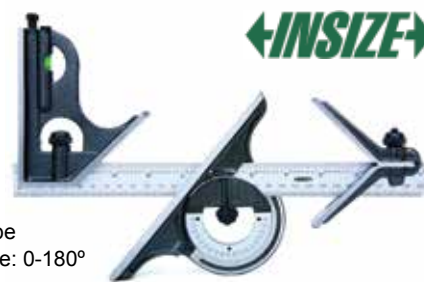
Spring Dividers



Size	Code	Price
3"	810183	\$ 5.80
4"	810184	7.00
6"	810186	7.60
8"	810188	9.90
10"	810190	13.30
12"	810192	15.60

Combination Squares

- 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 $\pm 8\text{min.}$ for 45° square
- Supplied in fitted storage case



12"/300mm Blade Length

1/32" and 0.5mm graduation on one side, 1/64" and 1mm on reverse side

Code 816324

\$123.50

12" Blade Length

1/8" and 1/16" on one side, 1/32" and 1/64" on reverse side

Code 283344

\$123.50

Electronic Level & Protractor

- ▶ Resolution: 0.1°
- ▶ Range: 0-360° (4 x 90°)
- ▶ Accuracy: $\pm 0.2^\circ$
- ▶ Aluminum frame
- ▶ Magnetic bottom with v-groove for shafts
- ▶ Zero setting may be used at any angle
- ▶ Buttons: power on/off, zero, data hold
- ▶ Display rotates when gage is upside down
- ▶ Battery CR2032
- ▶ Auto power off
- ▶ Supplied in leather pouch



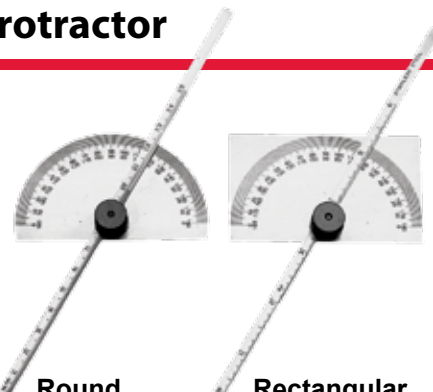
Code 816340

\$137.90

INSIZE

Depth Gage & Protractor

- ▶ A versatile tool which allows measurements of both angles and depths
- ▶ Stainless steel
- ▶ Graduated from 0° to 180° in both directions
- ▶ Adjustable rule locks with knurled thumb nut
- ▶ 6"/150mm rule
- ▶ Rule graduated in inches on one side and mm on the other
- ▶ Polished finish



Round

Code 840579

Rectangular

Code 840578

\$17.10

\$17.10

Mango II Deburring Sets

SHAVIV
Leading Deburring Solutions

- ▶ Sets for extra close jobs and applications when you need to get up tight to the work piece
- ▶ Popular for deburring holes, slots and edges on most types of materials

Mango IIB + 2 Extra Close Standard Duty

- ▶ Mango IIB + 2 set contains 2 high speed steel standard duty B blades
- ▶ Set includes the Mango IIB quality ergonomic handle designed for heavy duty applications with a safety lock which prevents losing blades while working



Hole Edge



Straight Edge

Code 550602

\$8.80



Mango IIE + 3 Extra Close Heavy Duty

- ▶ Mango IIE + 3 set contains 3 high speed steel heavy duty E blades
- ▶ Set includes the Mango IIE quality ergonomic handle designed for heavy duty applications with a safety lock which prevents losing blades while working



Cross-Hole Both Edges



Hole Edge



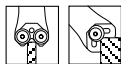
Straight Edge

Code 550603

\$10.90



Mango II Set BR Burr-Bi



Sheets



Straight Edge

- ▶ This heavy duty tool set includes 2 double-sided round R10 high speed steel blades for extended tool life - "A" side for spiral chips, "B" for powdery chips
- ▶ Excellent for work on hard and soft materials
- ▶ Ideal for sheet metal up to 0.63" (16 mm)
- ▶ Handguard for worker safety also included



Code 550611

\$27.90



Welding Gages

INSIZE

- ▶ Stainless steel with satin chrome plated reading surface
- ▶ Supplied in storage pouch



Code 283581

\$27.90

Measurement	Range	Accuracy	Graduation
Crown height	0-5/16"	$\pm 0.0039"$	1/128"
Fillet weld throat size	0-9/16"	$\pm 0.0118"$	1/128"
Angle	60°, 70°, 80°, 90°	$\pm 1^\circ$	—

Multi-Purpose

- ▶ Stainless steel with satin chrome plated reading surface
- ▶ Supplied in storage pouch



Code 283584

\$52.90

Measurement	Range	Accuracy	Graduation
Leg length	0-10 mm	± 0.1 mm	0.1 mm
Leg height	0-20 mm	± 0.5 mm	1 mm
Crown height	0-10 mm	± 0.1 mm	0.1 mm
Throat size	0-10 mm	± 0.1 mm	0.1 mm
Angle	0°-60°	$\pm 1^\circ$	5°
Gap	1-3.5 mm	± 0.5 mm	0.5 mm
Length	0-40 mm	± 0.5 mm	1 mm

Clamps

Standard C-Clamps

- ▶ Forged steel



Capacity	Throat Depth	Minimum Proof Test	Weight	Code	Price
0-1"	0.945"	2,860 lbs	0.5 lbs	416161	\$ 13.90
0-2"	1.220"	4,400 lbs	0.9 lbs	416162	14.00
0-3"	1.575"	6,160 lbs	1.8 lbs	416163	22.00
0-4"	2.008"	6,600 lbs	2.8 lbs	416164	26.00
0-5"	2.441"	7,260 lbs	4.2 lbs	416165	13.90
0-6"	2.756"	7,920 lbs	7.1 lbs	416166	47.90
0-8"	3.701"	13,200 lbs	6.0 lbs	416167	74.50
0-10"	4.724"	15,400 lbs	13.8 lbs	416168	123.20
0-12"	4.921"	17,600 lbs	20.7 lbs	416169	149.50

Heavy Duty C-Clamps

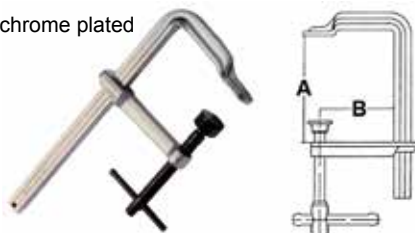
- ▶ Forged steel
- ▶ Heat-treated



Capacity	Throat Depth	Minimum Proof Test	Weight	Code	Price
0-2	1.220"	4,400 lbs	0.9 lbs	416172	\$ 16.60
0-3	1.575"	6,160 lbs	1.8 lbs	416173	24.90
0-4	2.008"	6,600 lbs	2.8 lbs	416174	29.70
0-6	2.756"	7,920 lbs	7.1 lbs	416176	53.00
0-8	3.701"	13,200 lbs	10.0 lbs	416177	82.20
0-10	4.724"	15,400 lbs	13.8 lbs	416178	137.90
0-12	4.921"	17,600 lbs	20.7 lbs	416179	170.30

F-Clamps

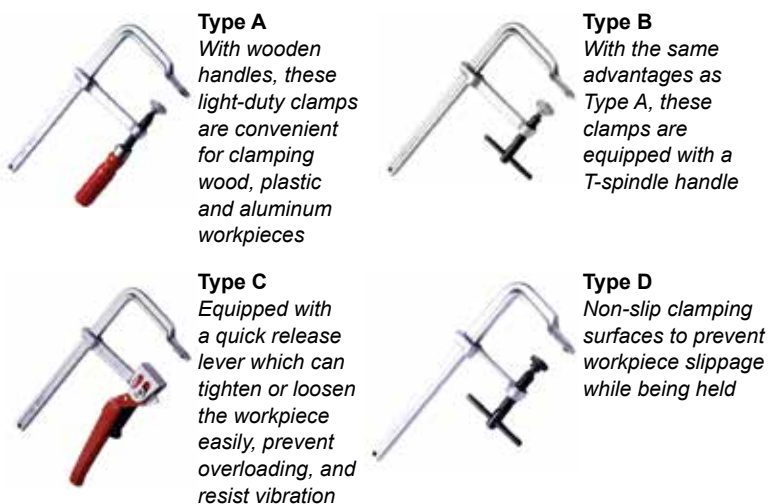
- ▶ ANSI 1045 medium carbon steel, chrome plated
- ▶ Hardness: HRC 36°±2
- ▶ T-handle
- ▶ P-type pad included



A Span	B Span	Rail Thickness	Weight	Code	Price
Medium Duty					
10"	4.75"	1.06" x 0.51"	4.6 lbs	412330	\$ 76.40
12"	4.75"	1.06" x 0.51"	4.9 lbs	412331	79.40
16"	4.75"	1.06" x 0.51"	5.4 lbs	412332	87.90
20"	4.75"	1.06" x 0.51"	6.0 lbs	412333	93.10
24"	4.75"	1.06" x 0.51"	6.1 lbs	412334	108.30
Heavy Duty					
12"	5.50"	1.18" x 0.59"	6.7 lbs	412340	105.50
16"	4.75"	1.18" x 0.59"	7.1 lbs	412341	113.90
20"	5.50"	1.18" x 0.59"	8.1 lbs	412342	127.70
24"	4.75"	1.18" x 0.59"	9.1 lbs	412343	148.30
Extra Heavy Duty					
12"	7.00"	1.57" x 0.79"	12.0 lbs	412350	164.20

F-Clamps - Types A, B, C & D

- ▶ ANSI 1045 medium carbon steel, chrome plated
- ▶ Hardness: HRC 36°±2



WHILE QUANTITIES LAST

Replacement Clamping Pads

- ▶ Three types of replacement pads:
P: General purpose
R: Cold work
V: Clamping round pipes or bars



Medium Duty			Heavy Duty		
Type	Code	Price	Type	Code	Price
P	412360	\$ 14.60	P	412364	\$ 14.30
R	412361	15.60	V	412365	17.00
V	412362	17.00	R	412366	16.90

A Span	B Span	Rail Thickness	Weight	Code	Price
Type A					
10"	4.75"	0.86" X 0.41"	2.7 lbs	412300	\$ 32.00
12"	5.51"	0.98" X 0.47"	4.1 lbs	412301	39.00
16"	6.89"	1.06" X 0.51"	5.6 lbs	412302	49.00
Type B					
10"	4.75"	0.86" x 0.41"	2.9 lbs	412305	24.00
12"	5.50"	0.98" x 0.47"	4.4 lbs	412306	31.00
16"	6.89"	1.06" x 0.51"	5.8 lbs	412307	41.00
Type C					
12"	5.50"	0.98" x 0.47"	5.4 lbs	412310	59.00
Type D					
12"	4.00"	0.98" x 0.47"	3.8 lbs	412320	29.00

Tap & Drill Sets

- Supplied in vinyl storage case



Code 311526

\$74.00

Fractional and Machine Screw

Taps (Plug)	Tap Drill
6 - 32	7/64
8 - 32	#29
10 - 24	#23
10 - 32	#20
1/4 - 20	13/64
5/16 - 18	17/64
3/8 - 16	P
1/2 - 13	7/16

Metric

Taps (Plug)	Tap Drill (mm)
M3 x 0.50	2.50
M3.5 x 0.60	2.90
M4 x 0.70	3.30
M5 x 0.80	4.20
M6 x 1.00	5.00
M8 x 1.25	6.75
M10 x 1.50	8.50
M12 x 1.75	10.25



Code 311527

\$110.40

16-Piece Sets
8 Taps and 8 Drills

Tap Wrenches

- Type A T-Handle
- Type B Ratchet
- Type C Piloted Spindle
- Type D Adjustable Tap & Reamer



Type	Range 1	Range 2	Length	Code	Price
A	#0 - #12	1.5 - 5 mm	—	318001	\$ 6.50
A	#10 - 1/4	4 - 6 mm	—	318002	7.10
A	#12 - 5/16	5 - 8 mm	—	318003	9.30
A	1/4 - 1/2	6 - 12 mm	—	318004	10.90
B	#0 - 1/4	1.5 - 6 mm	—	318006	18.20
B	1/4 - 1/2	6 - 12 mm	—	318007	33.40
C	#0 - 1/4	1.5 - 6 mm	—	318009	17.80
C	1/4 - 1/2	6 - 12 mm	—	318010	21.00
D	#0 - 1/4	1.5 - 6 mm	7"	318012	9.10
D	#12 - 1/2	5 - 12 mm	11"	318013	13.50
D	1/4 - 3/4	6 - 20 mm	15"	318014	18.40
D	3/8 - 1	10 - 25 mm	19"	318015	20.70

Single Flute Countersink Sets

- Cobalt M35
- Sizes: Inch - 1/4", 5/16", 3/8", 1/2", 5/8" and 3/4"
- Metric - 10mm, 15mm, 20mm, 25mm and 30mm
- (for other dimensions see KAR catalog pages 202-203)
- Supplied in fitted storage case



Inch - 6-Piece Sets

Angle	Code	Price
60°	601127	\$ 205.00
82°	601128	180.50
90°	601129	205.00

Metric - 5-Piece Sets

Angle	Code	Price
60°	540251	\$ 253.50
82°	540252	253.50
90°	540253	253.50
100°	540254	253.50
120°	540255	253.50



Premium Tap & Drill Set

- Black and gold finish
- Gold treated for maximum lubricity and torsional strength
- Supplied in metal indexed storage case

Spiral Point Taps	135° Split Point Drills
6-32	5/16"
8-32	27/64"
10-24	#7
10-32	#21
1/4-20	#25
5/16-18	#29
3/8-16	#36
7/16-14	F
1/2-13	U



18-Piece Set
9 Taps and 9 Drills

Code 750007

\$149.00

Premium Self-Starting Step Drill Set

- Multi-diameter
- 3 flats on shank
- Supplied in metal indexed storage case

3-Piece Set

Sizes
1/8" - 1/2"
3/16" - 1/2"
9/16" - 1"

Code 750010

\$146.10



Self Starting Step Drills

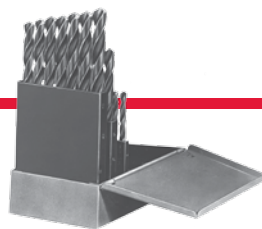
- High speed steel



No. of Steps	Included Diameters	Code	Price
13	1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2"	754700	\$ 38.40
6	3/16", 1/4", 5/16", 3/8", 7/16", 1/2"	754701	31.80
9	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"	754702	49.90
12	3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"	754703	66.90

Jobber Length Drill Set

- ▶ Cobalt
- ▶ 29-piece set
- ▶ Fractional sizes 1/16" to 1/2" by 64ths
- ▶ 135° split point
- ▶ Supplied in metal indexed storage case



Code 313202

\$99.99

WHILE QUANTITIES LAST

Annular Cutters

- ▶ High speed steel
- ▶ Eliminates multi-step drilling
- ▶ Lower cost per hole
- ▶ Better finish
- ▶ More accurate and cleaner holes
- ▶ Longer tool life
- ▶ 3/4" shank diameter with two flats
- ▶ Cutters are interchangeable with other standard hole cutting systems



Depth	Size	Code	Price	Depth	Size	Code	Price
1"	7/16"	606332	\$ 29.20	2"	15/16"	606367	\$ 58.00
1"	1/2"	606333	30.80	2"	1"	606368	61.80
1"	9/16"	606334	30.80	2"	1-1/16"	606368	65.20
1"	5/8"	606335	30.80	2"	1-1/8"	606370	65.60
1"	11/16"	606336	30.80	2"	1-3/16"	606371	68.00
1"	3/4"	606337	32.80	2"	1-1/4"	606372	71.50
1"	13/16"	606338	36.20	2"	1-5/16"	606373	76.50
1"	7/8"	606339	36.80	2"	1-3/8"	606374	82.50
1"	15/16"	606340	39.00	2"	1-7/16"	606375	89.40
1"	1"	606341	41.30	2"	1-1/2"	606376	93.40
1"	1-1/16"	606342	43.70	2"	1-9/16"	606377	99.90
1"	1-1/8"	606343	47.70	2"	1-5/8"	606378	105.30
1"	1-3/16"	606344	49.70	2"	1-11/16"	606379	117.20
1"	1-1/4"	606345	50.70	2"	1-3/4"	606380	119.20
1"	1-5/16"	606346	55.60	2"	1-13/16"	606381	142.50
1"	1-3/8"	606347	61.60	2"	1-7/8"	606382	131.10
1"	1-7/16"	606348	67.50	2"	1-15/16"	606383	160.00
1"	1-1/2"	606349	73.50	2"	2"	606384	143.00
1"	1-9/16"	606350	77.50	2"	2-1/16"	606385	171.50
1"	1-5/8"	606351	81.50	3"	7/8"	606386	80.20
1"	1-11/16"	606352	94.10	3"	15/16"	606387	83.40
1"	1-3/4"	606353	91.40	3"	1"	606388	83.40
1"	1-13/16"	606354	115.90	3"	1-1/16"	606389	88.40
1"	1-7/8"	606355	103.30	3"	1-1/8"	606390	99.30
1"	1-15/16"	606356	107.30	3"	1-3/16"	606391	102.30
1"	2"	606357	115.20	3"	1-1/4"	606392	112.20
1"	2-1/16"	606358	142.90	3"	1-5/16"	606393	113.80
2"	7/16"	606359	40.80	3"	1-3/8"	606394	123.80
2"	1/2"	606360	42.30	3"	1-7/16"	606395	133.10
2"	9/16"	606361	42.60	3"	1-1/2"	606396	143.00
2"	5/8"	606362	42.30	3"	1-9/16"	606397	169.90
2"	11/16"	606363	42.40	3"	1-5/8"	606398	162.90
2"	3/4"	606364	45.70	3"	1-3/4"	606400	185.60
2"	13/16"	606365	48.70	3"	2"	606403	237.20
2"	7/8"	606366	54.70				

Ejector Pilots

Description	Code	Price
Short – 1/4" x 3" – for all cutter depths except 7/16"	606406	\$ 5.60
Long – 1/4" x 4" – for all 2" cutter depths except 7/16"	606407	6.00
Extra Long – 5/16" x 5" – for all 3" cutter depths	606408	13.90
Short – 7/16" x 1"	606409	5.60
Short – 7/16" x 2"	606410	6.00

Taper Shank Drills

- ▶ Premium – high speed steel
- ▶ General purpose
- ▶ Fractional sizes
- ▶ 118° point
- ▶ Standard shanks



Size	Decimal Equivalent	Flute Length	Overall Length	Morse Taper	Code	Price
1/2"	0.5000"	4-3/8"	8-1/4"	2	751473	\$ 36.30
33/64"	0.5156"	4-5/8"	8-1/2"	2	751474	41.40
17/32"	0.5312"	4-5/8"	8-1/2"	2	751475	40.60
35/64"	0.5469"	4-7/8"	8-3/4"	2	751476	45.20
9/16"	0.5625"	4-7/8"	8-3/4"	2	751477	44.10
37/64"	0.5781"	4-7/8"	8-3/4"	2	751478	47.90
19/32"	0.5938"	4-7/8"	8-3/4"	2	751479	47.10
39/64"	0.6094"	4-7/8"	8-3/4"	2	751480	50.10
5/8"	0.6250"	4-7/8"	8-3/4"	2	751481	48.30
41/64"	0.6406"	5-1/8"	9"	2	751482	55.10
21/32"	0.6562"	5-1/8"	9"	2	751483	53.40
43/64"	0.6719"	5-3/8"	9-1/4"	2	751484	59.10
11/16"	0.6875"	5-3/8"	9-1/4"	2	751485	56.10
45/64"	0.7031"	5-5/8"	9-1/2"	2	751486	61.60
23/32"	0.7188"	5-5/8"	9-1/2"	2	751487	59.60
47/64"	0.7344"	5-7/8"	9-3/4"	2	751488	65.40
3/4"	0.7500"	5-7/8"	9-3/4"	2	751489	65.40
49/64"	0.7656"	6"	9-7/8"	2	751490	77.60
25/32"	0.7812"	6"	9-7/8"	2	751491	75.80
51/64"	0.7969"	6-1/8"	10-3/4"	3	751492	84.90
13/16"	0.8125"	6-1/8"	10-3/4"	3	751493	79.80
53/64"	0.8281"	6-1/8"	10-3/4"	3	751494	88.60
27/32"	0.8438"	6-1/8"	10-3/4"	3	751495	85.70
55/64"	0.8594"	6-1/8"	10-3/4"	3	751496	91.60
7/8"	0.8750"	6-1/8"	10-3/4"	3	751497	88.60
57/64"	0.8906"	6-1/8"	10-3/4"	3	751498	93.60
29/32"	0.9062"	6-1/8"	10-3/4"	3	751499	95.70
59/64"	0.9219"	6-1/8"	10-3/4"	3	751500	96.50
15/16"	0.9375"	6-1/8"	10-3/4"	3	751501	90.80
61/64"	0.9531"	6-3/8"	11"	3	751502	99.50
31/32"	0.9688"	6-3/8"	11"	3	751503	98.90
63/64"	0.9844"	6-3/8"	11"	3	751504	105.60
1"	1.0000"	6-3/8"	11"	3	751505	101.50

Taper Car Reamers

- ▶ High speed steel
- ▶ Straight shank with spiral flute
- ▶ 3 equal flats on shank



Reamer Diameter	Shank Diameter	Shank Length	Flute Length	Overall Length	Code	Price
5/16"	5/16"	1-1/2"	2-3/4"	4-5/8"	600509	\$ 39.50
3/8"	3/8"	1-1/2"	2-3/4"	4-5/8"	600510	39.50
7/16"	7/16"	1-1/2"	3-1/2"	5-3/8"	600511	39.50
1/2"	1/2"	1-1/2"	4"	5-7/8"	600512	44.50
9/16"	1/2"	1-1/2"	4"	5-7/8"	600513	48.30
5/8"	1/2"	1-1/2"	4-1/2"	6-3/8"	600514	55.60
11/16"	1/2"	1-1/2"	4-1/2"	6-3/8"	600515	66.70
3/4"	1/2"	1-1/2"	5"	6-7/8"	600516	71.90
13/16"	1/2"	1-1/2"	5"	6-7/8"	600517	78.00
7/8"	1/2"	1-1/2"	5"	6-7/8"	600518	86.60
15/16"	1/2"	1-1/2"	5"	6-7/8"	600519	89.30
1"	1/2"	1-1/2"	5"	6-7/8"	600520	99.00
1-1/16"	1/2"	1-1/2"	5"	6-7/8"	600521	108.60

Welding Magnets

Variable Clamp

- Designed for fast accurate holding of ferrous sheets and tubes for welding and assembly work
- Maximum operating temperature up to 248°F

Length	7-11/16"
Height	7-7/8"
Width	7/16"
Weight	1 lbs
Pull	44 lbs

Code 381162

\$75.10



Quick Clamps

- Designed to facilitate fast and accurate holding of ferrous metals and also suitable for retrieval applications
- Maximum operating temperature up to 176°F

Length	4"
Height	2-9/16"
Width	1/2"
Weight	0.66 lbs
Pull	22 lbs

Code 381165

\$16.90



Length	4"
Height	2-9/16"
Width	13/16"
Weight	0.88 lbs
Pull	33 lbs

Code 381166

\$22.60

Magnetic Welding Links

- For holding steel plates in position for welding, brazing, and soldering, eliminating the need for clamps or temporary fastening
- Two heavy duty Alnico magnetic blocks linked together with strong steel bars and wing nuts

Block Size	2 x 1 x 1"
Weight	1-1/2 oz



Code 425562

\$48.60

Air Die Grinder Set

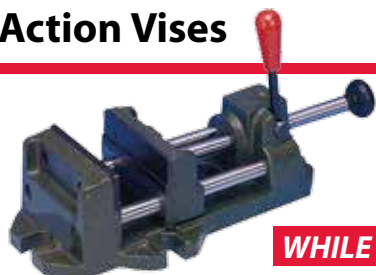
- Set includes die grinder (HY145), 2 wrenches, 10 mounted points and 1 nipple



Code 460245

\$49.99

Quick Action Vises



WHILE QUANTITIES LAST

Jaw Width	Jaw Opening	Weight	Code	Price
3"	2-3/4"	10 lbs	312436	\$ 135.00
4"	4-1/4"	18 lbs	312437	177.20
6"	6"	29 lbs	312438	314.10
8"	8"	44 lbs	312439	390.70

90° Fixed Clamps

- Two magnetic faces in a rigid 90° angle for jiggling on sheets, pipes and tubes
- Fixed 90° clamps provide a fast and cost effective means of clamping components rigidly at 90° angles during fabrication, assembly and weld preparation applications



Length	5-1/2"
Height	5-1/2"
Width	1-3/8"
Weight	3 lbs
Pull	88 lbs

Code 381186

\$168.90

Length	8-55/64"
Height	8-55/64"
Width	55/64"
Weight	5 lbs
Pull	165 lbs

Code 381187

\$225.20

Length	11-13/16"
Height	11-13/16"
Width	1-3/8"
Weight	10 lbs
Pull	441 lbs

Code 381188

\$319.00

Magnetic Quick Clamp

- Designed to enable fast and accurate holding of ferrous metals for welding and assembly jobs
- The quick clamp will hold sheet and tube at angles of 180°, 75°, 60°, 45°, and 30°
- The through-body hole enables this magnetic tool to be built into jigs or to be hung up when not in use



Code 425581

\$15.60

Base	3-1/2"
Height	2-1/2"
Length	4"

Mounted Flap Wheels

1/4" Shank

Size	Grit	RPM	Code	Price
3/4 x 3/4	40	—	705180	\$ 4.30
3/4 x 3/4	60	—	705181	4.30
3/4 x 3/4	80	—	705182	4.30
3/4 x 3/4	120	—	705183	4.30
3/4 x 3/4	150	—	705184	4.30
3/4 x 3/4	180	—	705185	4.30
3/4 x 3/4	240	—	705186	4.30
3/4 x 3/4	320	—	705187	4.30
1 x 1	40	—	705190	4.50
1 x 1	60	—	705191	4.50
1 x 1	80	—	705192	4.50
1 x 1	120	—	705193	4.50
1 x 1	150	—	705194	4.50
1 x 1	180	—	705195	4.50
1 x 1	240	—	705196	4.50
1 x 1	320	—	705197	4.50
1-1/2 x 1	40	18000	705260	4.70
1-1/2 x 1	60	18000	705261	4.70
1-1/2 x 1	80	18000	705262	4.70
1-1/2 x 1	120	18000	705263	4.70



Size	Grit	RPM	Code	Price
1-1/2 x 1	150	18000	705264	\$ 4.70
1-1/2 x 1	180	18000	705265	4.70
1-1/2 x 1	240	18000	705266	4.70
1-1/2 x 1	320	18000	705267	4.70
2 x 1	40	17000	705310	5.70
2 x 1	60	17000	705311	5.70
2 x 1	80	17000	705312	5.70
2 x 1	120	17000	705313	5.70
2 x 1	150	17000	705314	5.70
2 x 1	180	17000	705315	5.70
2 x 1	240	17000	705316	5.70
2 x 1	320	17000	705317	5.70
3 x 1	40	14000	705400	8.40
3 x 1	60	14000	705401	8.40
3 x 1	80	14000	705402	8.40
3 x 1	120	14000	705403	8.40
3 x 1	150	14000	705404	8.40

More sizes available. Please inquire or visit us online at www.kar.ca