



INDUSTRIAL INC.

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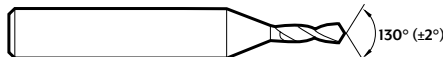
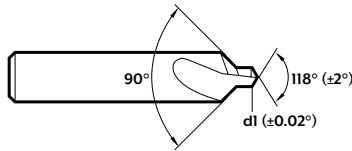
WINTER WARM UP SALE



NEW INTRODUCTORY OFFER

magafor® Carbide Micro Drills
For Precise and Performance Drilling

PRE-DRILLING &
Flute Lengths: 3xD 5xD 8xD



Hard-X

Description	Size	Price
PRE-DRILLING Series 82X1 Ensures a precise location and perfectly aligned holes Select a smaller diameter "dl" than the drill size	0.10 to 0.30 mm x 0.05 mm increments 0.30 to 0.60 mm x 0.10 mm increments 0.60 to 1.00 mm x 0.20 mm increments 118° point (±2°)	Starting at... 48.38
3 x D Series 82X3	0.10 to 3.00 mm x 0.05 mm increments 130° point (±2°)	Starting at... 18.77
ALSO AVAILABLE HARD-X COATED 5 x D Series 82X5	0.10 to 3.00 mm x 0.01 mm increments 130° point (±2°)	Starting at... 20.42
8 x D Series 82X8	0.10 to 2.05 mm x 0.01 mm increments 130° point (±2°)	Starting at... 22.52

**Combined Drills
& Countersinks**

High Speed Steel – 60° Plain Type



Size	Body Diameter (Inch)	Point Diameter (Inch)	Point Length (Inch)	Overall Length (Inch)	60° Angle (Series 115) HSS M2	
					Code	Price
000	1/8	0.020	1/32	1-1/4	540599	8.23
00	1/8	0.025	1/32	1-1/4	540600	7.84
0	1/8	1/32	3/64	1-1/4	540610	7.24
1	1/8	3/64	1/16	1-1/4	540611	7.10
2	3/16	5/64	7/64	1-7/8	540612	7.43
3	1/4	7/64	9/64	2	540613	7.92
4	5/16	1/8	5/32	2-1/8	540614	9.09
4-1/2	3/8	9/64	3/16	2-1/2	540604	11.86
5	7/16	3/16	1/4	2-3/4	540615	13.24
6	1/2	7/32	19/64	3	540616	17.02
7	5/8	1/4	5/16	3-1/4	540617	32.51
8	3/4	5/16	13/32	3-1/2	540618	52.86
9	7/8	11/32	7/16	3-5/8	540619	99.14
10	1	3/8	1/2	3-3/4	540598	109.23

YOUR AUTHORIZED KAR DISTRIBUTOR:

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

Indexable Combined Drill & Countersink Sets with Carbide Inserts

5/8" x 5" Holder
Code 530671

148.⁷⁶

1/2" x 4" Holder
Code 530672

159.⁹⁹



SETS INCLUDE:
1 Holder
4 Carbide Inserts
– #2, #3, #4, #5 –
1 Torx® 9 Key

- 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

Drill Set High Speed Steel – TiN Coated Gold-P 29 Pieces

1/16" x 1/2" by 64ths
Code 883345

99.⁹⁹



- 135° split point
- Straight shank
- Right hand spiral wide flutes
- Supplied in indexed metal case

Screw Extractor Set Spiral/Helical Flutes 5 Pieces – Sizes 1 to 5



- For removing broken screws, studs, pipe fittings, etc., without damaging the threads

Code 311508

12.⁶⁵

Self-Starting Step Drills High Speed Steel



Code 754700

43.⁶³

Code 754701

36.⁰⁴

Code 754702

56.⁷⁶

Code 754703

76.⁰⁷

Number of Steps	Included Diameters	Code
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
6	3/16, 1/4, 5/16, 3/8, 7/16, 1/2	754701
9	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	754702
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



Cutting Fluids

20% OFF ALL 16 oz. BOTTLES – ALL FORMULAS

EP-XTRA	ALUMINUM	XTRA-THICK	PROTAP	AQUEOUS	ECO-OIL
Code 219202	Code 219210	Code 219238	Code 219218	Code 219225	Code 219232
12.³⁰	12.³⁰	15.³⁰	12.³⁰	12.³⁰	12.⁶⁰
Ozone-friendly formula that provides outstanding performance on all cuts and all metals	Cutting fluid of choice for work on aluminum, brass, copper, and other soft metals	Heavyweight champion for hard metals – inconel, titanium, stainless... any metal up to 45 HRC	Eco-friendly, biodegradable and can be applied to any and all cutting operations and metals	Eco-friendly, non-corrosive, water-based formula that is easy to clean up and biodegradable	Meets the requirements of NSF's HI Food Grade certification. Biodegradable with natural oil base that's low in odor and smoke

Colour Band Taps

High Speed Steel – Spiral Point Plug Style – 60° Point

COMPLETE LINE OF YELLOW, RED AND BLUE COLOUR BAND TAPS

MORE SIZES AND STYLES AVAILABLE AT KAR!

Material		General Purpose				Hard Materials				Soft Materials			
													
Alloyed High Carbon Steel		✓											
Aluminum		✓								✓			
Brass/Bronze										✓			
Cast Iron										✓			
Copper										✓			
High Strength Steel		✓				✓							
Low Carbon Steel										✓			
Medium Carbon Steel		✓								✓			
Nickel Alloys						✓							
Stainless Steel		✓				✓							
Titanium		✓				✓							
Tool Steel		✓				✓							
Size	Overall Length (Inch)	No. of Flutes	Thread Length (Inch)	Code	Price	No. of Flutes	Thread Length (Inch)	Code	Price	No. of Flutes	Thread Length (Inch)	Code	Price
4-40	1-7/8	2	0.335	915060	8.14	2	0.335	915258	20.85	2	0.313	915170	5.75
6-32	2	3	0.413	915062	8.57	3	0.413	915262	17.40	2	0.375	915172	6.08
8-32	2-1/8	3	0.453	915066	8.57	3	0.453	915264	17.40	2	0.375	915176	6.08
10-32	2-3/8	3	0.531	915070	8.57	3	0.531	915268	17.40	2	0.500	915180	6.08
1/4-20	2-1/2	3	0.591	915074	9.88	3	0.591	915270	20.67	2	0.625	915184	7.00
5/16-18	2-23/32	3	0.669	915078	12.33	3	0.669	915274	22.97	2	0.688	915188	9.30
3/8-16	2-15/16	3	0.748	915082	12.34	3	0.748	915278	26.30	3	0.750	915192	9.52
1/2-13	3-3/8	3	0.984	915090	22.82	3	0.984	915286	41.22	3	0.938	915200	17.12
5/8-11	3-13/16	3	1.083	915094	42.20	3	1.083	915290	94.92	3	1.094	915204	17.58
3/4-10	4-1/4	3	1.201	915098	62.85	3	1.201	915294	122.58	3	1.219	915208	24.85

25% OFF ALL CARBIDE CHUCKING REAMERS FROM MONSTER TOOL

**Micrograin Solid Carbide
Straight Shank
4 & 6 Straight Flutes**

ATC



**All Items
Stocked at KAR!**

- Decimal, fractional, wire, letter and metric sizes
- C2 micrograin solid carbide with 10% cobalt
- Suitable for reaming tough and abrasive materials
- Shank same size as cutting diameter
- Sizes include oversize, undersize and dowel pin size
- 4 flute reamers up to 0.255" diameter, 6 flute reamers on all other sizes
- Sizes from #70 to 1/4" are in increments of 0.0005" and sizes from 0.2505" to 0.5000" are in increments of 0.001"

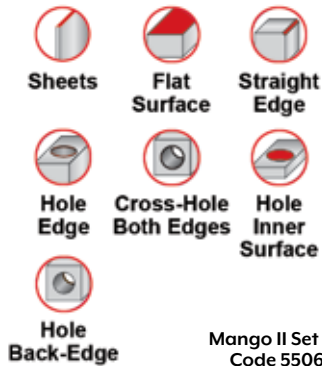
Diameter	Diameter Tolerances
0.0280" to 0.2500"	+0.0000/+0.0002"
0.2501" to 0.5000"	+0.0000/+0.0003"

D/P = DOWEL PIN SIZE, O/S = OVERSIZE, U/S = UNDERSIZE

High Speed Steel and Cobalt reamers also available

Set KWC The Universal Box

SHAVIV
Leading Deburring Solutions



Mango II Set KWC
Code 550623

Classic Set KWC
Code 550810

149.99/ea.

- Excellent all-around deburring set for your workshop
- You get all the tools you need for 1000+ applications
- Set Contains: Handle, Holders - B, C, D, E and F, Blades - B10, B20, B30, B50C, B60, B70, C40, C42, D80C, E100, E200, E300, E350, E600 and F20

Set B

SHAVIV
Leading Deburring Solutions

The Workhorse – Classic A Handle with B Blades



- Popular set for holes, slots and edges
- Supports all B blades
- Blades can be inserted axially or perpendicular to holder
- Deburrs steel, aluminum, copper, brass, cast iron, stainless steel and plastics
- Set Contains: Classic A Handle, Holder B, Blades B10 & B20

Shaviv Set B
Code 550801

16.99

Steel Shot Dead Blow Hammers

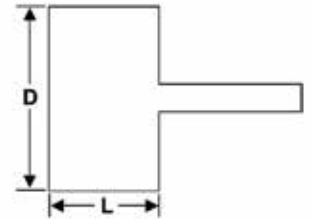


- One piece steel construction with steel shot
- Polyurethane coated thermoplastic rubber – no exposed metal on head or handle
- Textured non-slip handle with flanged end for a comfortable and safe grip
- Hammer hardness: 90A-95A

18 oz. Code 284560 **26.23**
24 oz. Code 284561 **29.40**
33 oz. Code 284562 **36.70**
41 oz. Code 284563 **41.97**
49 oz. Code 284564 **49.60**

Mounted Flap Wheels 1/4" Shank

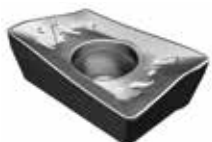
FLEXKRAFT



Size D x L (Inch)	Grit	RPM	Code	Price
3/4 x 3/4	40	-	705180	5.00/ea.
	60		705181	
	80		705182	
	120		705183	
	150		705184	
	180		705185	
	240		705186	
	320		705187	
1 x 1	40	-	705190	5.25/ea.
	60		705191	
	80		705192	
	120		705193	
	150		705194	
	180		705195	
	240		705196	
	320		705197	
1-1/2 x 1	40	18000	705260	5.50/ea.
	60		705261	
	80		705262	
	120		705263	
	150		705264	
	180		705265	
	240		705266	
	320		705267	
2 x 1	40	17000	705310	6.75/ea.
	60		705311	
	80		705312	
	120		705313	
	150		705314	
	180		705315	
	240		705316	
	320		705317	

APKT Milling Inserts

W/G

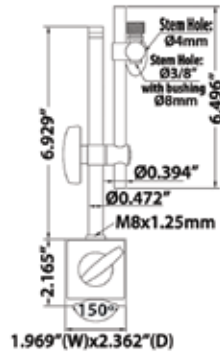


Type	Grade	ØI.C. (Inch)	Width (Inch)	Thickness (Inch)	Radius (Inch)	Code	Price
APKT100305PDTR	YG602	0.525	0.264	0.143	0.020	577570	7.02/ea.
APKT100308PDTR		0.525	0.264	0.143	0.031	577571	
APKT160404PDTR		0.672	0.370	0.207	0.016	577572	
APKT160408PDTR		0.672	0.370	0.207	0.031	577573	8.12/ea.
APKT160412PDTR		0.672	0.370	0.207	0.472	577574	
APKT160416PDTR		0.672	0.370	0.207	0.063	577575	

Magnetic Stand Dual Stem



- For electronic/dial indicators and dial test indicators
- Magnetic force: 132 lbf (60 kgf)
- Applicable holding stem diameters: 3/8", 8mm, 4mm



Code 816250
24.98

Dial Indicators



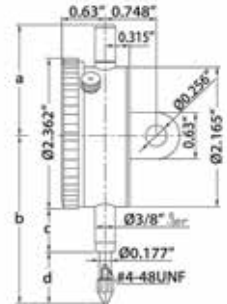
OPTIONAL ACCESSORIES:
Contact points, Flat back

- Graduation: 0.001"
- First 2.5 rev. accuracy: ± 0.001 "
- Range per rev.: 0.1"
- Dial reading: 0-100
- Meets ASME B89.1.10M-2001 standards
- Lug back
- Bezel locking clamp and limit pointers
- Contact point thread: #4-48UNF
- Supplied in fitted storage case

NIST
CERTIFICATION

1 Inch
Code 816158
31.37

2 Inch
Code 816160
73.93



Range (Inch)	Overall Accuracy (Inch)	a (Inch)	b (Inch)	c (Inch)	d (Inch)	Code
1	± 0.002	1.811	3.346	0.787	1.375	816158
2	± 0.004	4.370	5.472	1.969	2.323	816160

Portable Refractometer



ISQ-RM30
Code 219182
131.59



- Dimensions: 1.06" x 1.57" x 6.3"
- Weight: 0.39 lbs
- Graduations: 0.2%
- Measuring range: 0-32%
- Quickly measure the concentration of coolant
- Refer to the refraction factor of coolant – ex: the refraction factor of grinding emulsion is 2.1, the reading value is 6%, so the actual concentration is $2.1 \times 6\% = 12.6\%$
- Suitable for water based coolant

Outside Micrometer Sets



NIST
CERTIFICATION

0-3" – 3 Micrometers
Code 816588
114.23

0-6" – 6 Micrometers
Code 816592
274.82



0-4" Set Shown

Electronic Microscope With Standard Stand



Code 285000
389.99



Laptop not included



Shown with
Standard stand

- Records photos and video
- Supplied with measuring software (requires Windows XP SP2, Vista, Windows 7, 8 or 10 operating system)
- Data export to CAD or Microsoft Excel
- Magnification: 10X to 200X
- Pixels: Standard – 1.3M (resolution: 1280x1024)
- Built-in adjustable LED
- Power supply: USB 2.0 cable (voltage required: 5 $\pm$ 0.1V)

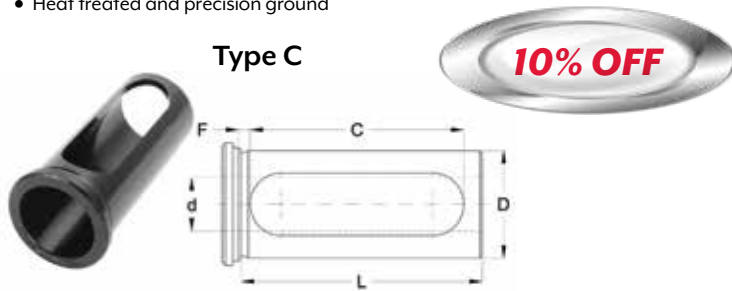
Includes one of each: Microscope, Stand, White/Black plate, Focus support ring 80X/150X, Focus support ring 60X/200X, Calibration rule (graduation 0.1mm), Calibration rule (graduation 1mm), ISM-PRO software CD

Magnification (Inch)	Focus Distance (Inch)	View Field (Inch)	Accuracy (Inch)
50x	0.83	0.32 x 0.25	0.0012
100x	0.51	0.15 x 0.12	0.0006
150x	0.63	0.10 x 0.08	0.0004
200x	0.75	0.07 x 0.06	0.0003

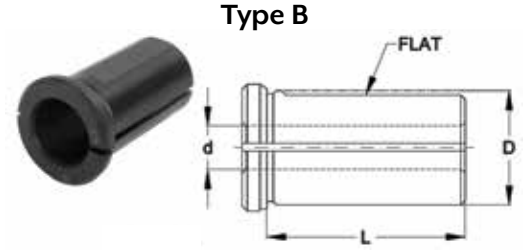
Tool Holder Bushings

CNC Bushings – Black Oxide Finish – Types C & B

- For use on all NC and CNC turning machines to adapt a wide variety of boring bars, drills, reamers and other round shank type tools
- Heat treated and precision ground



Type C



Type B

- C bushings have long slots for clamping directly on the tool for positive alignment of the cutting edge of the tool

- B bushings have splits and flats providing strong gripping of the tool shanks

D Outside Ø (Inch)	d Inside Ø (Inch)	L Length Under Head (Inch)	C Slot Length (Inch)	F (Inch)	Code	Price
3/4	3/8	2	1-1/2	0.1693	310732	43. ⁴⁶ /ea.
3/4	1/2	2	1-1/2	0.1693	310733	
1	3/8	2-3/4	2-3/8	0.1319	310534	
1	1/2	2-3/4	2-3/8	0.1319	310536	
1	5/8	2-3/4	2-3/8	0.1319	310538	
1	3/4	2-3/4	2-3/8	0.1319	310540	
1-1/4	3/8	3-1/4	2-3/4	0.1496	310544	
1-1/4	1/2	3-1/4	2-3/4	0.1496	310545	
1-1/4	5/8	3-1/4	2-3/4	0.1496	310547	
1-1/4	3/4	3-1/4	2-3/4	0.1496	310549	
1-1/4	7/8	3-1/4	2-3/4	0.1496	310734	47. ⁴⁵ /ea.
1-1/4	1	3-1/4	2-3/4	0.1496	310553	
1-1/2	3/8	3-3/8	3	0.1260	310735	
1-1/2	1/2	3-3/8	3	0.1260	310559	
1-1/2	5/8	3-3/8	3	0.1260	310561	
1-1/2	3/4	3-3/8	3	0.1260	310563	
1-1/2	7/8	3-3/8	3	0.1260	310736	
1-1/2	1	3-3/8	3	0.1260	310567	
1-1/2	1-1/4	3-3/8	3	0.1260	310571	
1-3/4	1/2	3-1/2	3-1/8	0.1260	310575	52. ²⁰ /ea.
1-3/4	5/8	3-1/2	3-1/8	0.1260	310577	
1-3/4	3/4	3-1/2	3-1/8	0.1260	310579	
1-3/4	7/8	3-1/2	3-1/8	0.1260	310737	
1-3/4	1	3-1/2	3-1/8	0.1260	310583	
1-3/4	1-1/4	3-1/2	3-1/8	0.1260	310587	
1-3/4	1-1/2	3-1/2	3-1/8	0.1260	310591	
2	1/2	4	3-5/8	0.1319	310595	63. ¹⁴ /ea.
2	5/8	4	3-5/8	0.1319	310596	
2	3/4	4	3-5/8	0.1319	310597	
2	7/8	4	3-5/8	0.1319	310738	
2	1	4	3-5/8	0.1319	310599	
2	1-1/4	4	3-5/8	0.1319	310601	
2	1-1/2	4	3-5/8	0.1319	310603	
2	1-3/4	4	3-5/8	0.1319	310605	
2-1/2	1/2	4-1/2	4-1/8	0.1457	310739	79. ⁰² /ea.
2-1/2	5/8	4-1/2	4-1/8	0.1457	310740	
2-1/2	3/4	4-1/2	4-1/8	0.1457	310741	
2-1/2	7/8	4-1/2	4-1/8	0.1457	310742	
2-1/2	1	4-1/2	4-1/8	0.1457	310743	
2-1/2	1-1/4	4-1/2	4-1/8	0.1457	310744	
2-1/2	1-1/2	4-1/2	4-1/8	0.1457	310745	
2-1/2	1-3/4	4-1/2	4-1/8	0.1457	310746	
2-1/2	2	4-1/2	4-1/8	0.1457	310747	
2-1/2	2-1/4	4-1/2	4-1/8	0.1457	310748	

D Outside Diameter (Inch)	d Inside Diameter (Inch)	L Length Under Head (Inch)	Code	Price
1	1/2	1-3/4	310832	43. ⁴⁶ /ea.
1	5/8	1-3/4	310833	
1	3/4	1-3/4	310834	
1-1/4	3/8	2-1/8	310700	
1-1/4	1/2	2-1/8	310835	
1-1/4	5/8	2-1/8	310701	
1-1/4	3/4	2-1/8	310836	
1-1/4	7/8	2-1/8	310702	
1-1/4	1	2-1/8	310837	
1-1/2	3/8	2-1/2	310703	47. ⁴⁵ /ea.
1-1/2	1/2	2-1/2	310838	
1-1/2	5/8	2-1/2	310704	
1-1/2	3/4	2-1/2	310839	
1-1/2	7/8	2-1/2	310705	
1-1/2	1	2-1/2	310840	
1-1/2	1-1/4	2-1/2	310706	
1-3/4	1/2	3	310707	
1-3/4	5/8	3	310708	
1-3/4	3/4	3	310709	52. ²⁰ /ea.
1-3/4	7/8	3	310710	
1-3/4	1	3	310711	
1-3/4	1-1/4	3	310712	
1-3/4	1-1/2	3	310713	
2	1/2	3-1/2	310714	
2	5/8	3-1/2	310715	
2	3/4	3-1/2	310716	
2	7/8	3-1/2	310717	63. ¹⁴ /ea.
2	1	3-1/2	310718	
2	1-1/4	3-1/2	310719	
2	1-1/2	3-1/2	310720	
2	1-3/4	3-1/2	310721	
2-1/2	1/2	4	310722	
2-1/2	5/8	4	310723	
2-1/2	3/4	4	310724	
2-1/2	7/8	4	310725	
2-1/2	1	4	310726	79. ⁰² /ea.
2-1/2	1-1/4	4	310727	
2-1/2	1-1/2	4	310728	
2-1/2	1-3/4	4	310729	
2-1/2	2	4	310730	
2-1/2	2-1/4	4	310731	

Quick Change Tooling For Morse Taper Spindles

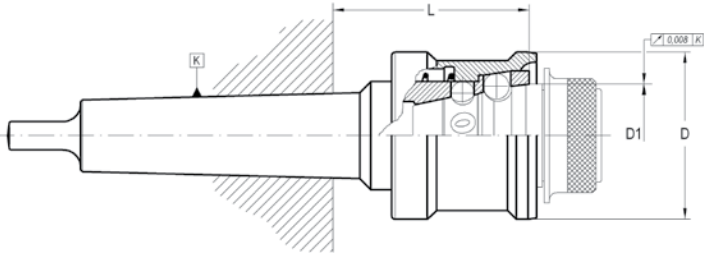


- For use on radial drills, boring mills, or any machine with Morse taper spindles
- Interchangeable with Jahl

Quick Change Holders – 060201



- Max rotation speed 2000 RPM
- Max concentricity achieved by taper coupling
- 10 mm clearance between workpiece and tool is sufficient
- Rotation in either direction
- Equally effective in vertical or horizontal position



QC Holder M3
Code 369400

405³⁴

QC Holder M4
Code 369401

405³⁴

QC Holder M4
Code 369402

552⁵¹

QC Holder M5
Code 369403

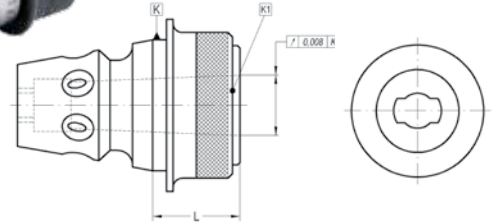
960⁷⁰

K	D1 (mm)	L (mm)	D (mm)	Code
M3	40	77	63	369400
M4	40	78	63	369401
M4	51.5	95	83	369402
M5	68.7	116	100	369403

Morse Taper Quick Change Adapters – 069901



- For tapered Morse Taper tools DIN 228-B

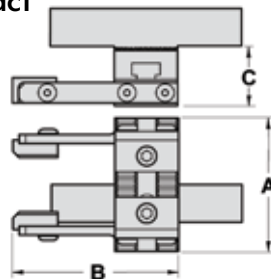


K (mm)	K1 (mm)	L (mm)	Code	Price
40	M1	25	369411	
40	M2	29	369412	175.01
40	M3	44	369413	
51.5	M1	34	369421	
51.5	M2	34	369422	205.46
51.5	M3	34	369423	
51.5	M4	55	369424	233.29
68.7	M1	34	369431	
68.7	M2	34	369432	272.09
68.7	M3	34	369433	
68.7	M4	43	369434	
68.7	M5	70	369435	324.91

CNC Bar Pullers



Compact



- Great for use with small CNC lathes - compact design minimizes tool interference
- Very easy to setup and use
- Unit can pull round, square, and hex stock
- Flexible heat-treated steel fingers provide strong gripping force
- Each compact bar puller includes one set of serrated jaws and one blank spindle bushing

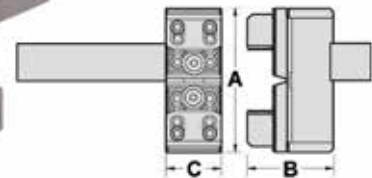
Order insert holder and insert separately.

Additional sizes and shank styles are available.

Contact your KAR distributor for more information.

Shank (Inch)	Gripping Range (Inch)	A (Inch)	B (Inch)	C (Inch)	Code	Price
1/2 sq.	1/8 – 1-5/8	2-1/8	3-1/4	1-3/16	217050	953.78
3/4 sq.	1/8 – 2-1/4	2-5/8	3-1/4	1-3/16	217051	1031.19
1 sq.	1/8 – 2-1/4	2-5/8	3-1/4	1-3/16	217052	1031.19
1 sq.	1/8 – 3	3-5/8	3-1/4	1-3/16	217053	1098.77

Heavy Duty



- Gripping range from 1/8" to 6-1/2" (extra capacity jaws sold separately)
- Gripping force is easily adjusted by altering spring pressure
- Jaws have two gripping surfaces: one side is serrated for increased gripping power, the other side is smooth to help prevent marking
- Smooth side is also used when pulling small diameter stock
- Very easy to set up and use
- Each unit comes with one set of standard jaws and one blank spindle bushing

Shank (Inch)	Gripping Range		A (Inch)	B (Inch)	C (Inch)	Code	Price
	Standard Jaws (Inch)	Extra Capacity Jaws (Inch)					
3/4 sq.	1/8 – 2-1/4	1-7/8 – 3-3/4	3-7/8	2-9/16	1-1/2	217058	1618.13
1 sq.	1/8 – 2-1/4	1-7/8 – 3-3/4	3-7/8	2-9/16	1-1/2	217059	1719.50
1 sq.	1/8 – 3-1/2	1-7/8 – 5-3/8	4-3/4	2-9/16	1-1/2	217060	1794.58
1 sq.	1/8 – 3-5/8	1-7/8 – 5-1/2	5	2-3/4	1-3/4	217061	1852.15
1 sq.	1/8 – 4-7/8	1-7/8 – 6-1/2	6-3/4	2-3/4	1-3/4	217062	2072.40



Power Table Feed

- Smooth running with high torque maximum of 650 in/lb
- New and stronger design assures long trouble-free life
- Electrical and mechanical parts are designed for easy maintenance

Specifications:

Voltage: 110V, 50/60Hz
Speed Range: 4-160 RPM
Rapid Speed: 200 RPM
Max. Torque: 650 lbs/in
Dimensions: 290 x 200 x 320mm
Weight: 6.3kg

Code 302235

799.⁹⁹



Code 217768

314.⁶²

**SPARE PARTS
STOCKED!**

Misting System



- Reliable mist flow with precision control
- Get the right mist mixture with separate air and fluid controls
- Fully assembled, ready to use
- Special tank not required
- Magnetic base can be easily repositioned
- Made from high quality non-corrosive material

Set Includes:

1/4" NPT ball valve, 1/4" NPT quick disconnect, 1/4" regulator, aspirator, pressure gage, foot strainer, 3/8" O.D. tubing, magnetic base, 12" hose assembly with 1/8" nozzle

BLOWOUT PRICING! WHILE QUANTITIES LAST!

Machine Lamps



JH-RTM/RTL

Halogen

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

JH 20RTS - Short
Code 302962

89.⁴¹

JH 20RTM - 18" (9+9)
Code 302963

88.²¹

JH 20RTL - 32" (16+16)
Code 302964

104.⁴⁰

Universal

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



JW 55RTS - Short
Code 302961

145.⁹⁶

Pneumatic Tapping Machines



AS-12/II
Code 302799

3131.⁶⁹



AT-12/I
Code 302800

3038.⁰⁰



AT-20/II
Code 302801

7494.⁶¹

All Tapping Units Include:

- Pneumatic tapping spindle
- Stretch arm
- Slanted arm (302799 and 302801 only)
- Table mounting column
- Air unit
- 6 safety clutch tapping adapters

Model	Tap Capacity (Inch)	Speed (RPM)	Work Range Rmax./Rmin. (Inch)	Approximate Weight (lbs)	Code
AS-12/II	0-1/2	400	55.12/7.87	46.30	302799
AT-12/I	0-1/2	400	62.99/19.69	44.09	302800
AT-20/II	0-3/4	150/400	74.8/7.87	83.78	302801



INDUSTRIAL INC.

www.kar.ca

Toronto: 1-800-387-3127
Montréal: 1-800-363-7862
Edmonton: 1-866-440-4326

Code #000295

Offer valid until March 31, 2020

**Products shown may not be exactly as illustrated*

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