



INDUSTRIAL INC.

Toronto | Montréal | Edmonton

www.kar.ca

SUMMER SIZZLER



Multi-Diameter Step Drill Sets

High Speed Steel & TiN Coated



- 3-piece sets includes 12, 20 and 30mm diameter step drills
- Supplied in indexed metal case

Diameter (mm)	Capacity (mm)	L (mm)	H (mm)	d (mm)
12	4, 5, 6, 7, 8, 9, 10, 11, 12	79	5	6
20	4, 6, 8, 10, 12, 14, 16, 18, 20	67	3	8
30	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30	100	4	10



TiN Series 475 | Code 754715

189.99

HSS Series 470 | Code 754709

179.99

Gold-P Drill Set



High Speed Steel
TiN Coated | 29 Drills

- 1/16" x 1/2" by 64ths
- 135° split point
- Straight shank
- Right hand spiral wide flutes
- Supplied in indexed metal case

Code 883345

109.99



Cutting Fluids

4 oz. Bottles



- For tapping, drilling, milling, facing, broaching, boring, turning, engraving, reaming, threading, & sawing
- Ozone and eco-friendly products – does not contain 1,1,1 trichloroethane



EP-EXTRA FORMULA 4 oz. Bottle Code 219200

ALUMINUM FORMULA 4 oz. Bottle Code 219208

PROTAP FORMULA 4 oz. Bottle Code 219216

4.29/ea.

Screw Extractor Set



Spiral/Helical Flutes

- Sizes 1 to 5
- For removing broken screws, studs, pipe fittings, etc., without damaging the threads

Code 311508

12.99



YOUR AUTHORIZED KAR DISTRIBUTOR:

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

SUMMER SIZZLER

20% OFF

Jobber Length Drills

General Purpose | High Speed Steel | Oxide Finish



- 118° point
- Oxide finish creates a porous layer that holds cutting oil which provides abrasion resistance and improved chip flow

Size (Inch)	Decimal Equivalent (Inch)	Flute Length (Inch)	Overall Length (Inch)	Code	Price
1/64	0.0156	3/16	3/4	752002	5.24
1/32	0.0312	1/2	1-3/8	752003	2.38
3/64	0.0469	3/4	1-3/4	752004	1.60
1/16	0.625	7/8	1-7/8	752005	1.54
5/64	0.0781	1	2	752006	1.54
3/32	0.0938	1-1/4	2-1/4	752007	1.54
7/64	0.1094	1-1/2	2-5/8	752008	1.67
1/8	0.1250	1-5/8	2-3/4	752009	1.66
9/64	0.1406	1-3/4	2-7/8	752010	1.84
5/32	0.1562	2	3-1/8	752011	1.88
11/64	0.1719	2-1/8	3-1/4	752012	1.98
3/16	0.1875	2-5/16	3-1/2	752013	2.26
13/64	0.2031	2-7/16	3-5/8	752014	2.52
7/32	0.2188	2-1/2	3-3/4	752015	2.73
15/64	0.2344	2-5/8	3-7/8	752017	2.95
1/4 or E	0.2500	2-3/4	4	752020	3.12
17/64	0.2656	2-7/8	4-1/8	752023	3.82
9/32	0.2812	2-15/16	4-1/4	752028	3.97
19/64	0.2969	3-1/16	4-3/8	752031	4.33
5/16	0.3125	3-3/16	4-1/2	752033	5.06
21/64	0.3281	3-5/16	4-5/8	752036	5.64
11/32	0.3438	3-7/16	4-3/4	752039	6.39
23/64	0.3594	3-1/2	4-7/8	752042	7.13
3/8	0.3750	3-5/8	5	752044	7.32
25/64	0.3906	3-3/4	5-1/8	752047	8.49
13/32	0.4062	3-7/8	5-1/4	752050	8.77
27/64	0.4219	3-15/16	5-3/8	752052	9.70
7/16	0.4375	4-1/16	5-1/2	752053	10.10
29/64	0.4531	4-3/16	5-5/8	752054	11.38
15/32	0.4688	4-5/16	5-3/4	752055	12.03
31/64	0.4844	4-3/8	5-7/8	752056	12.62
1/2	0.5000	4-1/2	6	752057	12.86
33/64	0.5156	4-13/16	6-5/8	752058	24.42
17/32	0.5312	4-13/16	6-5/8	752059	25.52
35/64	0.5469	4-13/16	6-5/8	752060	27.64
9/16	0.5625	4-13/16	6-5/8	752061	28.94
37/64	0.5781	4-13/16	6-5/8	752062	29.04
19/32	0.5938	5-3/16	7-1/8	752063	29.78
39/64	0.6094	5-3/16	7-1/8	752064	32.73
5/8	0.6250	5-3/16	7-1/8	752065	31.98
41/64	0.6406	5-3/16	7-1/8	752066	33.85
21/32	0.6562	5-3/16	7-1/8	752067	33.81
43/64	0.6719	5-5/8	7-5/8	752068	39.74
11/16	0.6875	5-5/8	7-5/8	752069	38.81
23/32	0.7188	5-5/8	7-5/8	606583	38.84
3/4	0.7500	5-5/8	7-5/8	606584	41.22

Indexable Spotting Drill Sets

Carbide Inserts

- 5/8" x 4" holder, 6 carbide inserts and a Torx® 15 key
- One combination tool that does four applications, giving extra efficiency and reduced cycle times
- For spotting, engraving, chamfering and grooving on CNC and conventional milling machines
- For spotting on CNC lathes
- Indexable carbide insert with 4 cutting edges provides great cost per edge and long tool life
- Insert fits both 1/2" and 5/8" diameter tools



Steel | Code 530656
Stainless Steel | Code 530657

159.40/ea.

End Mills

Micrograin Solid Carbide

- 4 flute
- Regular length
- Center cut



Cutter Diameter (Inch)	Shank Diameter (Inch)	Length of Cut (Inch)	Overall Length (Inch)	Code	Price
1/32	1/8	3/32	1-1/2	932957	17.65
3/64	1/8	1/8	1-1/2	932960	17.65
1/16	1/8	3/16	1-1/2	932963	8.04
5/64	1/8	3/16	1-1/2	932966	8.44
3/32	1/8	3/8	1-1/2	932969	8.04
7/64	1/8	3/8	1-1/2	932972	8.44
1/8	1/8	1/2	1-1/2	932975	6.48
9/64	3/16	9/16	2	932978	11.00
5/32	3/16	9/16	2	932981	10.45
11/64	3/16	5/8	2	932984	11.33
3/16	3/16	5/8	2	932987	9.08
13/64	1/4	5/8	2-1/2	932990	13.94
7/32	1/4	5/8	2-1/2	932993	13.20
15/64	1/4	3/4	2-1/2	932996	14.40
1/4	1/4	3/4	2-1/2	932999	11.69
17/64	5/16	3/4	2-1/2	933002	51.20
9/32	5/16	3/4	2-1/2	933005	17.63
19/64	5/16	13/16	2-1/2	933008	51.20
5/16	5/16	13/16	2-1/2	933011	18.33
21/64	3/8	7/8	2-1/2	933014	55.42
11/32	3/8	7/8	2-1/2	933017	60.22
23/64	3/8	7/8	2-1/2	933020	55.42
3/8	3/8	7/8	2-1/2	933023	22.71
25/64	7/16	1	2-3/4	933026	82.09
13/32	7/16	1	2-3/4	933029	83.75
27/64	7/16	1	2-3/4	933032	87.28
7/16	7/16	1	2-3/4	933035	39.44
29/64	1/2	1	3	933038	102.32
15/32	1/2	1	3	933041	104.93
31/64	1/2	1	3	933044	108.87
1/2	1/2	1	3	933047	41.76
9/16	9/16	1-1/4	3	933050	135.37
5/8	5/8	1-1/4	3-1/2	933053	84.89
11/16	3/4	1-1/2	4	933056	273.98
3/4	3/4	1-1/2	4	933059	119.11
7/8	7/8	1-1/2	4	933062	370.57
1	1	1-1/2	4	933065	222.16

SUMMER SIZZLER

Form Knurling Tool & Cutters



Model M2 20.08.25



Code 180405

249.99

- For conventional lathes
- For knurling workpieces between 8- 200 mm diameters
- Recommended for RGE type knurling
- Revolving head for knurls self-centering
- For non-repetitive works
- High speed steel pins
- Version R+L
- Capacity: Ø8-200mm
- Weight: 1 kg
- Knurls sold separately - Size 20 x 8 x 6 mm

Form Knurls | 20 x 8 x 6 mm | Type AA, BL30°, BR30°

- Knurls according to DIN403 for knurlings as DIN82
- HRC 61±1 standard
- High speed steel
- Ground faces and central bore
- Knurls sold individually

49.57/ea.

Pitch (mm)	Size (mm)	AA Straight	BL30°	BR30°
		Code	Code	Code
0.5	20 x 8 x 6	180403	-	-
0.6		180406	180414	180422
0.8		180407	180415	180423
1.0		180408	180416	180424
1.2		180409	180417	180425
1.5		180410	180418	180426
1.6		180411	180419	180427
1.8		180412	180420	180428
2.0		180413	180421	180429

MULTI-MAT® Turning Inserts



- Revolutionary technology - only one grade required to cut multiple materials: steel, stainless steel, cast iron, aluminum and non-ferrous materials, high temperature alloys and titanium
- Thickness: 0.188 inches



All Purpose Chipbreaker NN | Coated Grade PVD LT10

Aluminum Chipbreaker ALU | Coated Grade PVD LT05

Type ANSI / ISO	Cutting Edge Length (Inch)	Radius (Inch)	Code	Price
CNMG 431 / 120404	0.500	0.016	530015	9.99/ea.
CNMG 432 / 120408	0.500	0.031	530017	
WNMG 431 / 080404	0.500	0.016	530118	10.99/ea.
WNMG 432 / 080408	0.500	0.031	530119	
WNMG 433 / 080412	0.500	0.047	530122	9.99/ea.
WNMP 331 / 060404	0.375	0.016	530124	
WNMP 332 / 060408	0.375	0.031	530125	10.99/ea.
WNMP 432 / 080408	0.500	0.031	530126	

Type ANSI / ISO	Cutting Edge Length (Inch)	Radius (Inch)	Code	Price
CNGG 432 / 120408	0.500	0.031	530014	11.99
DNGG 331 / 110404	0.375	0.016	530035	11.99/ea.
DNGG 332 / 110408	0.375	0.031	530036	
TNGG 331 / 160404	0.375	0.016	530089	11.99
VNGG 331 / 160404	0.375	0.016	530107	11.99/ea.
VNGG 332 / 160408	0.375	0.031	530108	

S&D Drill Set Cobalt - 8 Drills

- 9/16" to 1" by 16ths
- Wood block



BLOWOUT PRICE!
WHILE QUANTITIES LAST

Code 313207

188.24

Hand Deburring

Standard & Heavy Duty Sets

- Popular for deburring holes, slots and edges
- Mango II handle provides maximum comfort
- Deburrs steel, aluminum, copper, brass, cast iron, stainless steel and plastics



Shown with Holder B and BIO blade

Mango II Handle

Blades can be inserted axially or perpendicular with holder B



Set B | The Workhorse

Set B with Mango II Handle

Holder B, Blades: B10, B20

Code 550600

19.36

Set E | Heavy Deburr

Set E with Mango II Handle

Holder E, Blades: E100, E200, E300

Code 550601

22.12

Tool & Die Maker's Set

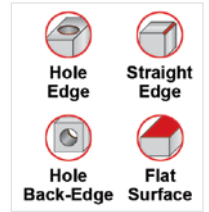
Set TD



Code 550813

104.03

SHAVIV
Leading Deburring Solutions



- Professional, miniature deburring and scraping tools for providing a quality finish to dies and molds
- UFI - Flat diamond coated file
- US1 - Triangular scraper
- US2 - Flat scraper
- US3 - Round scraper
- US4 - Hooked corner scraper
- US38 - Miniature rotational deburring tool for minimum hole diameter of 0.08" (2mm)

THE MACHINIST'S TOOLBOX

SAVE NOW
on these featured essentials for every machinist's toolbox with the NEW ...

MACHINIST'S RED SEAL DEALS

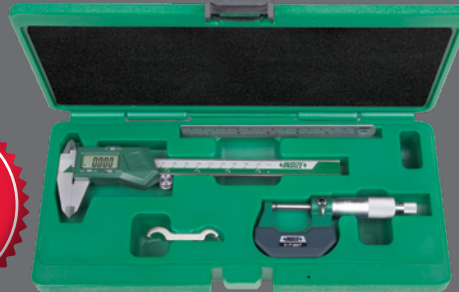
INSIZE Measuring Tool Set

Caliper, Micrometer & Rule

NIST SPC *Electronic Caliper

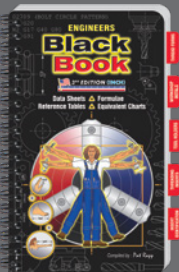
- 1) *Electronic caliper: range 0-6"/0-150mm, resolution 0.0005"/0.01mm
- 2) Outside micrometer: range 0-1", graduation 0.0001"
- 3) Rule: 0-6"/0-150mm, graduations - inch: 1/32", 1/64" and 1/16", metric: 0.5mm and 1mm, made of flexible stainless steel
- Supplied in fitted storage case

3-Piece Set
Code 284514
118.10



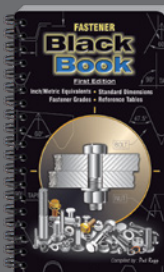
INSIZE EXCLUSIVELY AVAILABLE FROM KAR IN CANADA 

Reference Guides | Engineer's - 3rd Edition & Fastener Black Books



- Pocket size with 234 laminated, non-glare, tear and grease proof pages
- Non-slip rubberized cover
- Wired lay flat binding
- Self adhesive bookmark tabs

Engineer's
Code 284998
45.99



- Inch/Metric equivalences
- Fastener grades
- Standard dimensions
- Reference tables
- Includes thread pitch gage

Fastener
Code 284999
43.99

Dial Indicator

KAR



Code 841021

34.34

- Lug back
- 0-1" range
- 0.001" graduation
- 2-3/16" bezel diameter
- 0-100-0 reading

BLOWOUT PRICE!

Machinist's Measuring Set

Micrometer, Caliper & Steel Rule



Code 302255

49.98

- 0-1" micrometer with 0.0001" graduations
- 0-6" caliper with 0.001" graduations, 0-100 dial reading, shock proof
- 6" rule with 8ths, 16ths, 32nds and 64ths

WHILE QUANTITIES LAST



Exclusively Available at **KAR** in Canada



Electronic Radius Gage

- Measure radius of internal and external arcs
- External radius range: 0.2-35.83"/5-910mm
- Internal radius range: 0.3-35.83"/7-910mm
- Resolution: 0.00005"/0.005mm
- Accuracy: $\pm 0.01R$ (R is the radius to be measured)
- Buttons: on/off, hold, inch/mm, s (select jaws), zero
- Display may be rotated 320°
- Supplied with 5 separate jaws for multiple arc sizes
- Battery CR2032
- Auto power off
- Supplied in fitted storage case



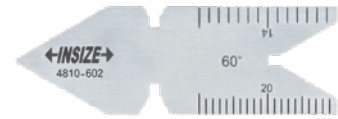
Code 283213

599.99



Center Gage

Unified 60° Thread | 60° Angle



Code 283560

7.47

- Check and set screw cutting tools, and check screw thread angle and pitch
- 14ths and 20ths on one side, 24ths and 32nds on opposite side
- Angle accuracy: ± 30 min.
- Stainless steel

MORE DETAILS | <https://kar.ca/electronic-radius-gage-r5-700mm-0-2-27-5in.html>



Radius Gage Set

Code 816198

60.98

- Each piece has three concave and two convex gaging surfaces
- Accuracy: ± 0.002 "
- 25 medium carbon steel blades
- Supplied in storage pouch

Range	Blade Size
1/64"-1/2"	1/64, 1/32, 3/64, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4, 17/64, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2"

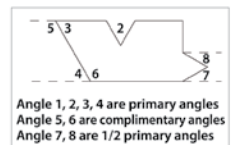
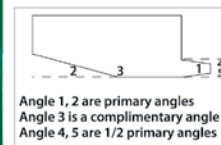
Angle Gage Set



- Each blade checks primary, 1/2 primary and complimentary angles
- Accuracy: ± 10 min.
- 18 medium carbon steel blades
- Supplied in storage pouch

Code 816602

46.99



Angle 1, 2 are primary angles
Angle 3 is a complimentary angle
Angle 4, 5 are 1/2 primary angles

Angle 1, 2, 3, 4 are primary angles
Angle 5, 6 are complimentary angles
Angle 7, 8 are 1/2 primary angles

MORE DETAILS | <https://kar.ca/angle-gage-set-18pc-fold-up.html>

Metric Thread Plug Gages



- Supplied with GO and NO-GO end
- Class 6H
- ISO1502 standard

Size (mm)	Code	Price
M2 x 0.4	284053	51.17
M2.2 x 0.45	284054	54.90
M2.5 x 0.45	284055	50.30
M3 x 0.5	284056	50.30
M3.5 x 0.6	284057	54.05
M4 x 0.7	284058	36.72
M5 x 0.8	284059	36.72
M6 x 1	284060	36.72
M7 x 1	816680	34.47
M8 x 1.25	284061	36.72
M9 x 1.25	816681	34.47
M10 x 1.5	284062	43.84
M11 x 1.5	816682	41.44
M12 x 1.75	284063	50.16
M14 x 2	284064	52.52
M16 x 2	284065	52.87

Size (mm)	Code	Price
M18 x 2.5	284066	57.37
M20 x 2.5	284067	57.51
M22 x 2.5	284068	58.81
M24 x 3	284069	67.98
M27 x 3	284070	67.98
M30 x 3.5	284071	78.66
M33 x 3.5	284072	81.56
M36 x 4	284073	109.49
M39 x 4	284074	109.49
M42 x 4.5	284075	145.96
M45 x 4.5	284076	149.04
M48 x 5	284077	158.24
M52 x 5	284078	158.87
M56 x 5.5	284079	170.63
M60 x 5.5	284080	190.53

Thread Plug Gages are supplied with a manufacturer inspection certificate

Three Way Magnifier

2X Magnification, Lens Ø4.724"



4X Magnification
Lens Ø1.102"

Code 816387

28.24

- Plastic lens
- Powered by 2 x AA batteries (included) or power adapter (110-240V, 50-60Hz)



Light Loupe

10x Magnification

- Kellner type with 3-element, 2-piece construction
- Accurate measurements can be made by turning the focusing ring so both object and scale can be seen



Code 730103

57.96

For more INSIZE TOOLS THAT MEASURE UP, see KAR's "INSIZE | 2021 BEST SELLERS & STAFF PICKS" 8-Page brochure online at [KAR.ca/promotions](https://kar.ca/promotions) or pick up your copy at your local KAR Distributor

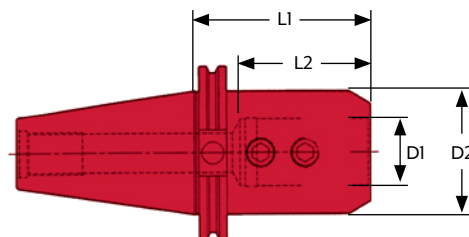
SUMMER SIZZLER

NEW LOWER PRICES ON MILLING TOOLS

End Mill Holders | CAT40 & CAT50



- Taper to bore runout: <0.0002"
- H5 bore tolerance
- Coolant through spindle
- CAT40 balanced G2.5@20,000 RPM
- CAT50 balanced G6.3@15,000 RPM
- Balanced tools supplied with QA certificates
- Taper shank ground to AT3 accuracy or better
- DIN AD+B flange coolant



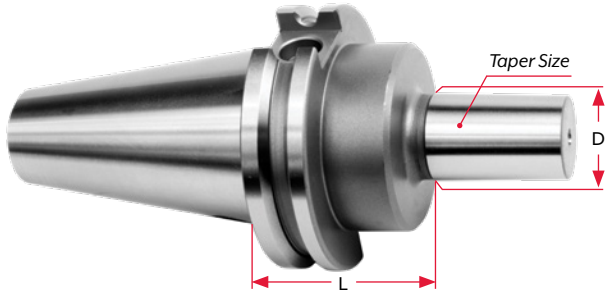
MORE SIZES AVAILABLE AT KAR.CA

D1 (Inch)	D2 (Inch)	L1 Gage Length (Inch)	CAT40				CAT50			
			L2 (Inch)	Weight (lbs)	Code	LOWER PRICE	L2 (Inch)	Weight (lbs)	Code	LOWER PRICE
1/8	0.69	1.38	2.89	1.79	312010	89.99	-	-	-	-
	0.69	4.50	6.01	2.41	310940	89.99	-	-	-	-
3/16	0.69	1.38	2.89	1.79	312011	89.99	-	-	-	-
	0.69	2.50	4.01	2.22	310941	89.99	4.69	6.55	312029	119.99
	0.69	4.50	6.01	2.41	310942	89.99	6.69	6.84	312030	129.99
1/4	0.78	1.38	2.89	1.82	312012	89.99	-	-	-	-
	0.78	2.50	-	-	-	-	4.69	6.55	312031	119.99
	1.00	2.50	4.01	2.35	310943	89.99	-	-	-	-
5/16	0.78	4.50	6.01	2.51	310944	89.99	6.69	7.17	312032	129.99
	1.00	1.38	2.89	1.85	312013	89.99	-	-	-	-
	1.00	4.50	6.01	2.76	310945	89.99	6.69	7.15	312033	129.99
3/8	1.00	1.38	2.89	1.85	312014	89.99	-	-	-	-
	1.00	2.50	4.01	2.32	310946	89.99	4.69	6.63	312034	119.99
	1.00	4.50	6.01	2.69	310947	89.99	6.69	7.07	312035	129.99
	1.00	6.50	8.01	3.17	310948	99.99	8.69	7.45	312036	139.99
7/16	1.25	1.75	3.26	2.00	312015	89.99	-	-	-	-
	1.25	4.50	6.01	3.04	310949	89.99	4.69	6.78	312037	129.99
	1.75	1.75	3.26	2.27	312016	89.99	-	-	-	-
1/2	1.38	2.62	4.13	2.52	310950	89.99	4.81	6.82	312038	119.99
	1.38	4.62	-	-	-	-	6.81	7.52	312039	129.99
	1.38	6.62	-	-	-	-	8.81	8.21	312040	139.99
	1.25	4.62	6.13	3.05	310951	89.99	-	-	-	-
	1.25	6.62	8.13	3.83	310952	99.99	-	-	-	-
5/8	1.75	1.75	3.56	2.19	312017	89.99	-	-	-	-
	1.63	3.75	3.56	2.96	310953	89.99	5.94	7.53	312041	119.99
	1.63	5.75	3.56	4.21	310954	99.99	7.94	8.63	312042	129.99
3/4	1.75	1.75	2.40	2.09	312018	89.99	-	-	-	-
	1.75	3.75	3.94	3.21	310955	89.99	5.94	7.65	312043	119.99
	1.75	5.75	3.94	4.44	310956	99.99	7.94	8.67	312044	129.99
7/8	1.88	1.75	2.27	2.31	312019	89.99	-	-	-	-
	2.00	4.00	4.19	3.65	310957	89.99	4.19	8.00	312045	129.99
	1.88	6.00	4.19	4.86	310958	99.99	-	-	-	-
	2.00	6.00	-	-	-	-	4.31	9.44	312046	139.99
1	1.75	1.75	2.64	1.78	312020	89.99	-	-	-	-
	2.00	4.00	4.43	3.39	310959	89.99	-	-	-	-
	2.00	6.00	4.43	5.04	310960	99.99	4.43	9.39	312048	139.99
1-1/4	2.25	2.00	2.35	2.25	312021	89.99	-	-	-	-
	2.50	4.25	2.39	4.96	310961	89.99	2.39	8.98	312049	129.99
	2.50	6.25	2.39	7.47	310962	99.99	2.39	11.42	312050	139.99
1-1/2	2.75	4.62	2.82	5.80	310963	89.99	2.82	9.19	312051	129.99
	2.75	6.62	2.82	8.76	310964	99.99	2.82	12.21	312052	139.99
2	3.94	5.62	-	-	-	-	4.86	17.70	312053	139.99

SUMMER SIZZLER

CAT40 & CAT50 HOLDERS & ADAPTERS

Jacobs Taper Adapters | CAT40 & CAT50



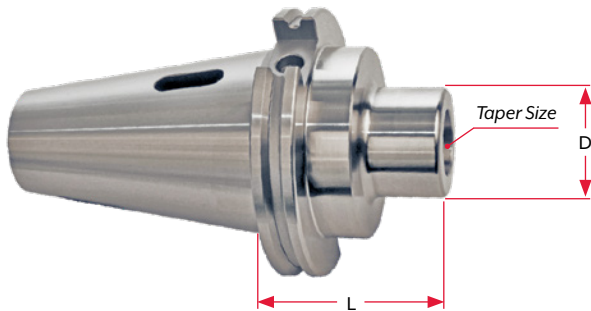
- Designed to use with keyless Jacobs chucks
- Non-coolant through
- Taper shank ground to AT3 accuracy or better
- CAT40 draw bar threads: 5/8"-11
- CAT50 draw bar threads: 1"-8

Taper Size	D (Inch)	L (Inch)	CAT40			CAT50		
			Weight (lbs)	Code	LOWER PRICE	Weight (lbs)	Code	LOWER PRICE
JT2	0.560	1.57	2.10	300719	99.99	2.65	300724	119.99
	0.560	2.44	2.33	310979	79.99	2.93	312064	99.99
JT3	0.812	1.57	2.30	300720	99.99	2.90	300725	119.99
	0.812	2.78	2.45	310980	79.99	3.06	312065	99.99
JT33	0.625	1.57	2.20	300721	99.99	2.81	300726	119.99
	0.625	2.56	2.32	310981	79.99	2.96	312066	99.99
JT4	1.124	1.57	2.18	300722	99.99	6.45	300727	119.99
	1.124	2.44	2.45	310982	79.99	-	-	-
JT5	1.413	1.57	-	-	-	6.92	300728	119.99
	1.413	3.25	-	-	-	7.25	300729	119.99
JT6	0.676	1.57	2.50	300723	99.99	6.95	300730	119.99
	0.676	2.44	2.78	310983	79.99	-	-	-

Morse Taper Adapters



CAT40 & CAT50

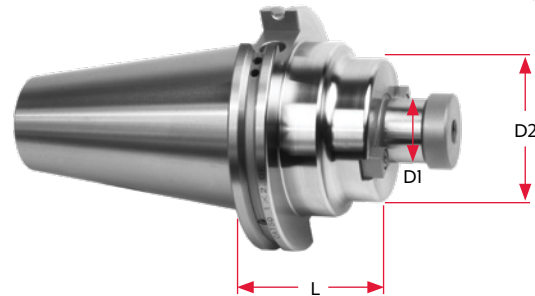


- Coolant through spindle
- Taper shank ground to AT3 accuracy or better
- MT - CAT Form A
- CAT40 draw bar threads: 5/8"-11
- CAT50 draw bar threads: 1"-8

Taper Size	CAT40				
	D (Inch)	L (Inch)	Weight (lbs)	Code	LOWER PRICE
MT1	0.98	1.75	2.21	310984	79.99/ea.
MT2	1.26	2.44	2.30	310985	
MT3	1.57	3.00	2.49	310986	
MT4	1.89	3.88	2.86	310987	

Taper Size	CAT50				
	D (Inch)	L (Inch)	Weight (lbs)	Code	LOWER PRICE
MT1	2.75	1.75	6.90	312068	99.99/ea.
MT2	2.75	2.00	7.43	312069	
MT3	1.57	2.50	6.73	312070	
MT4	1.89	3.38	6.90	312071	
MT5	2.75	3.75	7.55	312072	

Shell Mill Adapters | CAT40 & CAT50



- Taper to pilot runout: <0.0002"
- Taper shank ground to AT3 accuracy or better
- H6 pilot tolerance
- AD+B coolant through spindle and flange
- Balanced by design
- Provided with a non-coolant arbor screw (coolant arbor screws sold separately)
- CAT40 draw bar threads: 5/8"-11
- CAT50 draw bar threads: 1"-8

D1 (Inch)	D2 (Inch)	L (Inch)	CAT40			CAT50		
			Weight (lbs)	Code	LOWER PRICE	Weight (lbs)	Code	LOWER PRICE
1/2	1.75	1.38	2.27	310989	79.99	-	-	-
	2.75	1.38	-	-	-	6.82	312074	129.99
	1.44	3.50	-	-	-	7.54	312075	129.99
3/4	2.75	1.38	-	-	-	6.88	312076	129.99
	1.75	1.38	2.21	310990	79.99	-	-	-
	1.75	3.50	3.80	310991	89.99	8.34	312077	129.99
1	1.75	6.00	-	-	-	9.70	312078	139.99
	2.19	2.06	3.10	310992	79.99	7.37	312079	129.99
	2.19	4.00	4.30	310993	89.99	-	-	-
1-1/4	2.40	4.00	-	-	-	9.97	312080	129.99
	2.40	6.00	-	-	-	12.46	312081	139.99
	2.75	2.12	4.00	310994	79.99	7.18	312082	129.99
1-1/2	2.75	4.00	5.00	310995	89.99	10.31	312083	129.99
	2.75	6.00	-	-	-	11.35	312084	139.99
	3.38	2.41	5.01	310996	79.99	9.71	312085	129.99
2	3.38	4.00	5.01	310997	89.99	12.27	312086	129.99
	3.38	6.00	-	-	-	13.40	312087	139.99
	4.37	2.40	-	-	-	12.50	300718	129.99
2-1/2	4.88	2.40	-	-	-	19.00	301771	129.99

SUMMER SIZZLER

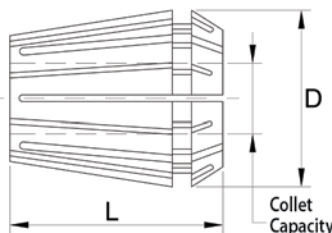
Precision ER Collets

- Precision collets
- Collet accuracy: 0.0003" to 0.0004" T.I.R.
- Wide clamping ranges: 0.02" to 0.039" collapsibility
- Made of high quality spring steel



ER11 Nominal diameters 1/16" to 1/4" Starting at...	14. ¹⁰
ER16 Nominal diameters 1/32" to 1/2" Starting at...	17. ⁵¹
ER20 Nominal diameters 1/16" to 5/8" Starting at...	17. ⁹³
ER25 Nominal diameters 1/16" to 3/4" Starting at...	19. ⁰²
ER32 Nominal diameters 3/32" to 1" Starting at...	19. ⁸⁸
ER40 Nominal diameters 1/8" to 1-1/4"	23. ⁷¹ /ea.

GO TO **KAR.CA** FOR ALL SIZES **ON SALE NOW!**



Collet Dimensions

Style	D (Inch)	L (Inch)
ER11	0.453	0.709
ER16	0.669	1.062
ER20	0.826	1.220
ER25	1.024	1.378
ER32	1.299	1.574
ER40	1.614	1.811



High Spot Marking

Prussian Blue

0.75 oz. | Code 219071

13.⁹⁹



Grease Guns

Heavy Duty

500 g | Code 416320

38.⁴⁹



- Robust construction
- Develops up to 10,000 PSI
- Short stroke feature pumps grease with limited action
- Complete with bulk loader and air bleeder fittings
- Versatile loading: cartridge or bulk
- Comfortable non-slip grip



125 mg | Code 416325

10.⁵⁵

Push Type

200 mg | Code 416326

13.²²

- Pump action for use with soft medium grease
- Complete with nipple connector
- Develops up to 3000 PSI

Oil Cans

Pump Style

- Compact and robust
- Metal body with brass pump
- Supplied with rigid and flex spouts

300 ml | Code 416300

11.¹²

500 ml | Code 416301

11.⁸⁶

700 ml | Code 416302

14.⁸¹



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



Tool
Trolley

636.²¹/ea.

With 28 pcs. #40 Inserts | Code 214140
With 20 pcs. #50 Inserts | Code 214150

Milling Machine Vises with Lock Down Mechanism



130 x 36 x 130 mm 32 kgs	Code 300415	385. ⁶²
150 x 45 x 146 mm 45 kgs	Code 300416	491. ⁹⁰
200 x 58 x 200 mm 100 kgs ..	Code 300418	914. ¹⁹

BLOWOUT PRICES!

WHILE QUANTITIES LAST

Thin Magnetic Chuck

6 x 12 Inch

For EDM Applications Code 302540 461.⁴⁴



Universal 3-Jaw Scroll Chucks

- Semi-steel body
- Type L - direct mount
- Two-piece jaws

8 Inch | L00 Taper | 42 lbs Code 355044

8 Inch | L1 Taper | 42 lbs Code 355046

10 Inch | L0 Taper | 64 lbs Code 355047



602.⁸⁹

1292.⁷⁷

1070.⁸⁹

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