A.C.T. EQUIPMENT SALES LTD.

Buyers Handbook 2022

Serving Western Canada For Over 60 Years
100% Canadian Owned

Valid Until November 30th 2022 | Prices Subject to change without Notice

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OUR COMMITMENT TO EXCELLENCE

Exceeding Cutomers' Expectations

A.C.T. Equipment Sales Ltd.

Terms & Conditions

TERMS

Our credit terms are Net 30 days for those customers who have an open account. To assist those customers who have no account established thus far, we accept VISA, MASTERCARD and INTERAC Direct Payment. Application for credit is available upon request.

PRICES

Prices are subject to change without notice. Some prices subject to stock availability. All taxes (GST & PST) will be extra where applicable. Items may not be exactly as shown.

SHIPPING

Shipping will be prepaid on all orders that are both over $250 Net and under 50 lbs in weight. (Excluding hazardous and prohibited goods.) Overnight Air shipping also available to most major centers, please inquire.

DELIVERY

Prices are F.O.B. your nearest A.C.T. warehouse unless otherwise stated.

FASTEST SERVICE

To ensure the fastest service, telephone, fax or E-mail your order to the nearest participating A.C.T. Branch.

1 OPERATOR COMFORT
Improved comfort levels, with reduced hand fatigue from less cutting vibration thanks to optimised positioning of ceramic grain for 3D grinding

2 LESS GRINDING TIME
Increased throughput with sharper wheel for highest metal removal and reduced pressure from faster cutting action

3 LESS DOWNTIME & WASTE
Less downtime, waste and process cost with longer wheel life using fewer wheels

QUANTUM 3 Model No.	Standard Pkg.	Size	BEST A.C.T. No.	Special Price / ea.
.045 TYPE 1 CUT OFF				
66252838454	25	4-1/2"X.045"X7/8"	321345	3.57
66252838460	25	5"X.045"X7/8"	317016	3.77
1/16 TYPE 1 CUT OFF				
66252838455	25	4-1/2"X1/16"X7/8"	317017	3.57
66252838462	25	5"X1/16"X7/8"	316706	3.77
66252838465	25	6"X1/16"X7/8"	316731	5.29
1/16 TYPE 27 CUT OFF				
66252838456	25	4-1/2"X1/16"X7/8"	316705	3.79
66252838464	25	5"X1/16"X7/8"	316707	4.05
66252838466	25	6"X1/16"X7/8"	316732	5.62
1/4 TYPE 27 GRINDING				
66253370794	25	4-1/2x1/4x7/8-T27	297958	6.84
66253370796	25	5x1/4x7/8-T27	297706	7.68
66253370798	20	6x1/4x7/8-T27	297447	9.65
66253370800	20	7x1/4x7/8-T27	297344	10.94
1/8 TYPE 27 COMBO				
66252839424	25	4-1/2x1/8x7/8-T27	321346	6.77
66252839426	25	5x1/8x7/8-T27	317134	7.61
66252839428	20	6x1/8x7/8-T27	315117	9.58
66252839430	20	7x1/8x7/8-T27	321347	10.85

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Small Diameter Reinforced Cut-Off Wheels

NORTON SAINT-GOBAIN

Features

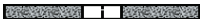
- Quality, versatile aluminum oxide • Gemini Contaminate-Free INOX/SS
- .045 ultra-thin Gemini RightCut right angle grinder Type 01/41 straight and T27/42 depressed center cut-off wheels

Benefits

- Consistent performance at a competitive price
- Contain <0.1% iron, sulfur or chlorine for rust-free and corrosion-free results; will not contaminate stainless steel
- Precise cutting; more stability and a narrower pass
- Up to 70% longer life and 20% faster cut rate than standard aluminum oxide wheels – for substantial savings
- Require less pressure, providing increased operator comfort

Tier:	BETTER	GOOD
Trade name:	NORTON BLUEFIRE	NORTON GEMINI
Abrasive:	Zirconia Alumina/ Aluminum Oxide	Aluminum Oxide
Material:	STAINLESS STEEL/METAL	STAINLESS STEEL/METAL

Type 01 - RightCut Cut-Off Wheels



Size (inch)	Std. Pkg.	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $
4-1/2 x 1/16 x 7/8	25	270272	3.33	118250	2.47
4-1/2 x .045 x 7/8	250	-	-	287504	2.27
5 x .1/16 x 7/8	25	272668	3.68	150094	2.84
5 x .045 x 7/8	250	-	-	287505	2.58
6 x 1/16 x 7/8	25	291068	4.34	150621	2.98
6 x .045 x 7/8	250	-	-	287506	2.68
4-1/2 x 3/32 x 7/8	25	-	-	321348	2.90
5 x 3/32 x 7/8	25	-	-	152570	3.31
6 x 3/32 x 7/8	-	-	-	151264	4.03

Type 27 - RightCut Cut-Off Wheels

Size (inch)	Std. Pkg.	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $
4-1/2 x 1/16 x 7/8	25	274816	3.54	287507	2.66
4-1/2 x .045 x 7/8	250	-	-	287513	2.40
5 x 1/16 x 7/8	25	274760	4.27	287508	3.16
5 x .045 x 7/8	250	-	-	287514	2.85
6 x 1/16 x 7/8	25	272669	4.84	-	-
6 x .045 x 7/8	25	-	-	287509	3.42
7 x .045 x 7/8	20	-	-	137557	4.32
4-1/2 x 3/32 x 7/8	25	-	-	321349	2.65
5 x 3/32 x 7/8	25	-	-	318260	3.51
6 x 3/32 x 7/8	25	-	-	313059	4.32
7 x 3/32 x 7/8	20	-	-	321350	5.36

Type 27 - Cutting / Notching / Light Grinding

Size (inch)	Std. Pkg.	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $
4-1/2 x .125 x 7/8	25	-	-	321351	2.40
4-1/2 x 1/8 x 7/8	25	272508	5.12	317457	2.33
4-1/2 x 1/8 x 7/8*	25	-	-	321352	2.61
5 x 1/8 x 7/8	25	272830	5.68	275006	3.76
5 x 1/8 x 7/8*	25	-	-	285325	4.09
6 x 1/8 x 7/8	20	275645	7.65	152905	5.06
7 x 1/8 x 7/8	20	291059	8.52	69371	5.12

**Pipe notching*
PIPE NOTCHERS ARE TO BE USED FOR CUTTING/NOTCHING ONLY.

Depressed Center Wheels

NORTON SAINT-GOBAIN

Type 27- Grinding/Cutting

Tier:	GOOD
Trade name:	METAL
Abrasive:	Aluminum Oxide
Material:	STAINLESS STEEL/METAL

Size (inch)	Std. Pkg.	A.C.T. No.	Special Price $
4 x .125 x 5/8	25	66252842014*	2.01
4 x 1/4 x 5/8	25	66252842011*	2.07
4-1/2 x 1/8 x 5/8-11	10	66252843609*	2.73
4-1/2 x 1/8 x 7/8	25	66252843611*	1.59
4-1/2 x 1/4 x 5/8-11	10	66252843605*	2.81
4-1/2 x 1/4 x 5/8-11	40	66252819559*	2.79
4-1/2 x 1/4 x 7/8	25	329860	1.81
4-1/2 x 1/4 x 7/8	50	66252836796*	1.65
5 x 1/8 x 5/8-11	10	66252843615*	3.46
5 x 1/8 x 7/8	25	66252843616*	2.03
5 x 1/4 x 5/8-11	10	66252843613*	3.57
5 x 1/4 x 7/8	25	329858	2.22
7 x 1/8 x 5/8-11	10	07660702678*	4.90
7 x 1/8 x 7/8	25	243097	3.53
7 x 1/4 x 5/8-11	10	329859	5.17
7 x 1/4 x 7/8	5	221754	3.75
9 x 1/4 x 5/8-11	5	07660775938*	7.41
4-1/2 x .045 x 7/8	25	66252843604*	1.61
5 x .045 x 7/8	25	316055	1.83
6 x .045 x 7/8	25	66252842015*	2.27
7 x 1/16 x 7/8	10	299420	4.32

*Manufacturer part number listed

Features

Good choice for steel/ferrous metal applications with low initial price

Benefits

- Durable bond and wheel hardness are designed to provide a good mix of cut rate and life
- Good choice when low initial price is needed for small jobs or newer operators
- Metal (Aluminum Oxide) engineered for all steel/ferrous materials

Depressed Center Wheels

NORTON SAINT-GOBAIN

Depressed Center wheels may also be referred to as raised hub wheels or by their shape designation of "Type", with Type 27 being the most popular. The depressed center design allows the flange/lock nut to recess within the wheel so that it can be used for various grinding and cutting applications. Depressed center wheels are designed to handle the most severe right angle grinding applications from heavy stock removal to rough blending. More recently, depressed center wheels have been designed to increase the utility of the tool for cut-off applications. While large right angle grinders (7" & 9") have been around for many years, small or mini grinders that handle 4", 4-1/2" and 5" wheels have made this machine, and wheel category, the most popular in power tools.

Type 27- Grinding

	Tier:	BEST		Tier: BETTER		Tier: GOOD	
	Trade name:	QUANTUM3		Trade name: NORTON BLUEFIRE		Trade name: NORTON GEMINI / GEMINI XXL	
	Abrasive:	Ceramic Alumina / Zirconia Alumina		Abrasive: Zirconia Alumina / Aluminum Oxide		Abrasive: Aluminum Oxide	
	Material:	STAINLESS STEEL/METAL		Material: STAINLESS STEEL/METAL		Material: STAINLESS STEEL/METAL	
Size (inch)	Std. Pkg.	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $
4-1/2 x 1/4 x 7/8	25	297958	6.84	282897	5.47	283335	2.39
4-1/2 x 1/4 x 7/8	25	-	-	-	-	317212	2.65
5 x 1/4 x 7/8	25	297706	7.68	282898	6.25	274474	4.03
5 x 1/4 x 7/8	25	-	-	-	-	295804	4.34
6 x 1/4 x 7/8	20	297447	9.65	273519	7.94	144593	5.13
6 x 1/4 x 7/8	20	-	-	-	-	306001	5.60
7 x 1/4 x 7/8	20	297344	10.94	272097	9.26	111783	5.50
7 x 1/4 x 7/8	20	-	-	-	-	295641	6.19

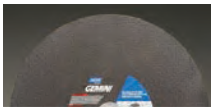
[1]*Fastest 100% aluminum oxide grinding wheels in the market today. 50% more life and metal removal than standard aluminum oxide wheels. Best on hard-grade carbon steel applications, weld repairs, flashing, and any job that requires a quick turnaround.*

Reinforced Cut-Off Wheels

Type 01 - Chopsaw Cut-Off Wheels

Trade name:	NORTON GEMINI
Abrasive:	Aluminum Oxide
Material:	STAINLESS STEEL/METAL

Size (inch)	Max Speed	Std. Pkg.	A.C.T. No.	Special Price $
12 x 7/64 x 1	5095	10	114460	7.80
14 x 3/32 x 1	4365	10	134159	9.02



		Trade name:	GEMINI METAL	Trade name:	GEMINI CONCRETE
		Abrasive:	Aluminum Oxide	Abrasive:	Silicon Carbide
		Material:	METAL HIGH SPEED	Material:	CONCRETE HIGH SPEED
Size (inch) / (mm)	Std. Pkg.	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $
12 x 1/8 x 1 / 20mm	10	276562	6.79	265640	6.88
14 x 1/8 x 1 / 20mm	10	316493	11.28	315943	11.45

Type 01 - High Speed Gas Saw Cut-O ff Wheels

- Metalworking: steel, stainless, ductile, cast iron, rail steel and metal decking
- Non-Metal Building Materials: concrete, brick, masonry, asphalt aggregate, stone and schedule 40 and 80 PVC pipe

Stationary Cut-Off Wheels

		Tier:	GOOD	Tier:	BETTER
		Trade name:	GEMINI FREE CUT	Trade name:	NORTON BLUEFIRE
		Abrasive:	Aluminum Oxide	Abrasive:	Zirconia Alumina/ Aluminum Oxide
		Material:	STAINLESS STEEL METAL	Material:	STAINLESS STEEL METAL
Size (inch)	Std. Pkg.	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $
14 x 1/8 x 1	10	118038	21.63	295224	33.43
16 x 5/32 x 1	10	113243	29.62	282398	43.69
20 x 5/32 x 1	5	144045	49.46	271240	73.96

Type 01 Stationary Cut-off wheels

The Norton stationary saw reinforced cut-off wheel line consists of Type 01 straight 11" - 20" wheels, designed to fit on fixed-base stationary saws that are free-standing or mounted on a workbench.

APPLICATIONS: Primary applications are cutting of all metal parts (flat stock, bars, studs, pipes, tubes, angle iron, cable), wire rope and hydraulic hose used in fabrication, construction and plant maintenance.

Bench and Pedestal Wheels

Brand:	NORTON GEMINI
Abrasive:	Alundum
Material:	BROWN ALUMINUM OXIDE

Type 01 Bench and Pedestal Grinding

Size (inch)	Std. Pkg.	Grit	A.C.T. No.	Special Price $
6 x 3/4 x 1	1	Coarse 36/46	251725	23.63
6 x 3/4 x 1	1	Medium 60/80	45637	23.63
6 x 3/4 x 1	1	Fine 100/120	252513	23.63
6 x 1 x 1	1	Coarse 36/46	45640	27.33
6 x 1 x 1	1	Medium 60/80	45643	27.33
6 x 1 x 1	1	Fine 100/120	257608	27.33
7 x 1 x 1	1	Coarse 36/46	250488	33.39
7 x 1 x 1	1	Medium 60/80	250489	33.39
7 x 1 x 1	1	Fine 100/120	255756	33.39
8 x 3/4 x 1	1	Coarse 36/46	256759	34.72
8 x 3/4 x 1	1	Medium 60/80	303527	34.72
8 x 3/4 x 1	1	Fine 100/120	103986	34.72
8 x 1 x 1	1	Coarse 36/46	252715	40.94
8 x 1 x 1	1	Medium 60/80	252555	38.27
8 x 1 x 1	1	Fine 100/120	260675	38.27
12 x 2 x 1-1/2	1	Very Coarse 24	93810	158.99
12 x 2 x 1-1/2	2	Coarse 36/46	93817	158.99
12 x 2 x 1-1/2	3	Medium 60/80	93819	158.99

Features

- Good choice for all general-purpose bench and pedestal applications

Benefits

- Type 01 straight wheel with quality, aluminum oxide for general purpose bench and pedestal grinder applications on steel.
- Vitrified bond for superb shape holding and resistance to wear.
- Good choice for deburring and tool sharpening on bench and pedestal grinders; telescoping bushings to fit popular arbor hole sizes.

Vitrified Wheels For Steel Applications

NORTON SAINT-GOBAIN

NORTON QUANTUM (5NQ). Best choice for versatility, maximum performance and cost savings

Features

- Revolutionary, engineered ceramic grain shape and chemistry with proven bond technology - green
- NEW! coolest cutting, high-speed, precise form-holding Vitrium 3 VS3 Bond

Benefits

- Versatile; for all low, medium and high force applications ranging from cast iron to stainless steel and hard-to-grind Inconel and titanium
- Perform well on old and new machines
- 33% to 100% longer life vs. competitive ceramic products
- 30%+ higher metal removal rate
- 15%+ lower threshold power
- Lowest total grinding costs
- Highest productivity; lowest cycle and process time; most accurate finished parts

Tier:	BEST
Brand:	NORTON
Trade Name:	QUANTUM
Abrasive:	Ceramic Alumina

Type 01 - Vitrified Tool Room Wheels

Size (inch)	Std. Pkg.	Spec	A.C.T. No.	Special Price $
7 x 1/2 x 1-1/4	1	5NQ46-HVS3	66253375053*	137.01
7 x 1/2 x 1-1/4	1	5NQ46-IVS3	66253375052*	137.01
7 x 1/2 x 1-1/4	1	5NQ60-IVS3	66253375047*	137.01
7 x 1/2 x 1-1/4	1	5NQ60-JVS3	66253375046*	137.01
8 x 1/2 x 1-1/4	1	5NQ46-HVS3	66253387211*	167.16
8 x 1/2 x 1-1/4	1	5NQ46-IVS3	66253387212*	167.16
8 x 1/2 x 1-1/4	1	5NQ60-IVS3	66253387214*	167.16
8 x 1/2 x 1-1/4	1	5NQ60-JVS3	66253387213*	167.16
8 x 3/4 x 1-1/4	1	5NQ46-IVS3	66243494089*	195.11
8 x 3/4 x 1-1/4	1	5NQ46-JVS3	66243494090*	195.11
8 x 3/4 x 1-1/4	1	5NQ60-GVS3P	66243495369*	195.11

**Manufacturer part number listed.*

Portable Cup Wheels

NORTON SAINT-GOBAIN

- for steel and ferrous metals

NORTON GEMINI

Quality aluminum oxide gives you consistent performance at a competitive price.

NORTON BLUEFIRE - PERFORMANCE ON FIRE

Engineered with a proprietary NorZon grain upgrade, the Norton BlueFire design offers faster removal rate, longer product life and increased productivity for better performance value.

Tier:	GOOD	BETTER
Trade name:	NORTON GEMINI	NORTON BLUEFIRE
Abrasive:	Aluminum Oxide 57A, Silicon Carbide 37C, Aluminum Oxide/Silicon Carbide 57AC	Zirconia Alumina NV Zirconia Alumina/Silicon Carbide NVC

Type 11 Flaring Cup

Size (inch)	Spec	Std. Pkg	A.C.T. No.	Special Price $	Spec	A.C.T. No.	Special Price $
4/3 x 2 x 5/8-11 Rim 3/4 Back 3/4	57A16-Q	10	150345	18.89	NV16-Q	276091	25.81
5/3-3/4 x 2 x 5/8-11 Rim 1 Back 3/4	57A16-Q	10	134168	21.28	NV16-Q	278279	39.16
6/4-13/16 x 2 x 5/8-11 Rim 1-1/2 Back 3/4	57A16-Q	10	66252809599*	25.98	NV16-Q	281261	47.67

**Manufacturer part number listed.*

Huntington Wheel Dressers

These dressers will fulfill most general dressing needs where fast dressing is the primary requirement. Can be used for dressing which cleans away foreign particles and exposes sharp new cutting edges or for truing to restore the proper shape of the wheel. Choose Desmond Cutters for continued quality performance of your Huntington Dressers.

Model No.	Description	For Wheels	A.C.T. No.	Special Price $
11210	Dresser #0 Hooded C/w Cutters	Under 10"	52590	36.54
11220	#0 Replacement Cutters		52595	5.10
11310	Dresser #1 Hooded C/w Cutters	10"-14"	52592	41.77
11320	#1 Replacement Cutters		52596	6.27
11510	Dresser #2 Hooded C/w Cutters	16" And Over	52594	60.04
11520	#2 Replacement Cutters		79392	15.09

Single Point Tools for Truing and Dressing SG Abrasives

NORTON SAINT-GOBAIN

SG – These single point tools for SG abrasives are resettable and are most commonly used in straight dressing applications, but may also be used in some forming operations. Norton high quality diamonds and a proactive resetting program will usually result in the lowest dressing cost per part. Each specially selected, broad-shaped diamond is hand-selected for stone shape, quality and structural integrity.

BCSG - These single point tools for SG abrasives are non-resettable and are most commonly used in straight dressing applications, but may also be used in some forming operations. They are the best selection when a resetting program is not feasible or low initial cost is the primary consideration. Each diamond is hand-selected for stone shape, quality and structural integrity.

Wheel Dia.	Tool Karat Weight	Tool Length	Tool Dia.	BEST		Special Price $	GOOD		Special Price $
				Model No.	A.C.T. No.		Model No.	A.C.T. No.	
up to 7"	1/4 (.25) 1/4 (.25)	2" 2"	3/8" 7/16"	SG2M6 SG2M7	84961 111109	205.21 205.21	BCSG2M6 BCSG2M7	164282 141217	109.82 109.82
8" to 10"	1/3 (.33) 1/3 (.33)	2" 2"	3/8" 7/16"	SG3M6 SG3M7	211065 125957	392.98 272.99	BCSG3M6 BCSG3M7	283106 222802	147.07 147.07
11" to 14"	1/2 (.50) 1/2 (.50)	2" 2"	3/8" 7/16"	SG5M6 SG5M7	90924 107544	425.53 425.53	BCSG5M6 BCSG5M7	149113 123734	226.76 226.76
15" to 20"	3/4 (.75) 3/4 (.75)	2" 2"	3/8" 7/16"	SG7M6 SG7M7	66260195371* 211066	754.49 711.28	- BCSG7M7	- 161025	- 343.86
21" and up	1 (1.00)	2"	7/16"	-	-	-	BCSG10M7	211067	430.13

Wheel Dia.	Tool Karat Weight	Tool Dia.	BEST		Special Price $	GOOD		Special Price $
			Model No.	A.C.T. No.		Model No.	A.C.T. No.	
Internal Wheel	1/5 (.20)	3/8" 7/16"	- -	- -	- -	BC1M6 BC1M7	151758 159892	42.34 42.34
up to 7"	1/4 (.25)	3/8" 7/16"	NS2M6 NS2M7	69472 45629	142.67 142.67	BC2M6 BC2M7	69470 85217	48.14 48.14
8" to 10"	1/3 (.33)	3/8" 7/16"	NS3M6 NS3M7	69474 69475	197.08 197.08	BC3M6 BC3M7	81896 102867	53.50 53.50
11" to 14"	1/2 (.50)	3/8" 7/16"	NS5M6 NS5M7	69476 46271	296.07 296.07	BC5M6 BC5M7	63643 67526	63.74 63.74
15" to 20"	3/4 (.75)	3/8" 7/16"	- NS7M7	- 46272	- 423.79	BCM7M6 BC7M7	69301 201284	96.65 96.65
21" and up	1 (1.00)	3/8" 7/16" 7/16"	NS10M6 NS10M7 NS10J7	211071 211073 213460	423.79 589.81 589.81	BC10M6 BC10M7 -	201247 72150 -	138.11 138.11 -

**J-SHANK TOOLS ARE AVAILABLE IN 7/16" DIAMETER WITH 5/8" HEAD*

Portable Cone and Plug Wheels

NORTON SAINT-GOBAIN

Features

- Good choice for steel/ferrous metal applications with low initial price

Benefits

- Tough, durable aluminum oxide abrasive for heavy-duty work including foundry snagging, tool sharpening, and stock removal
- Good general-purpose choice for numerous small jobs on 300 and 400 series stainless, soft and hard carbon steels, tool steels, titanium, super alloys, soft metals, and cast, ductile and gray iron.

Trade Name: **NORTON METAL**

Abrasive: Aluminum Oxide

Plugs & Cones

Size	Std. Pkg.	Type	Spec	A.C.T. No.	Special Price $
1-1/2 x 3 x 5/8-11	10	Type 16 Cones	Norton Metal 24	313513	5.72
1-3/4 x 3 x 5/8-11	10	Type 16 Cones	Norton Metal 24	66253349841*	5.93
2 x 3 x 5/8-11	10	Type 16 Cones	Norton Metal 24	313512	6.28
2-3/4 x 3-1/2 x 5/8-11	10	Type 16 Cones	Norton Metal 24	329124	9.46
3 x 3 x 5/8-11	10	Type 16 Cones	Norton Metal 24	66243496885*	9.89
1-1/2 x 3 x 5/8-11	10	Type 18 Plugs - Square Tip	Norton Metal 24	296268	5.72
2 x 3 x 5/8-11	10	Type 18 Plugs - Square Tip	Norton Metal 24	314324	6.28
2 x 4 x 5/8-11	10	Type 18 Plugs - Square Tip	Norton Metal 24	329125	7.30
1-1/2 x 3 x 3/8-24	10	Type 18R Plugs - Round Tip	Norton Metal 24	329126	5.72
1-1/2 x 3 x 5/8-11	10	Type 18R Plugs - Round Tip	Norton Metal 24	323658	5.97
2 x 3 x 5/8-11	10	Type 18R Plugs - Round Tip	Norton Metal 24	329118	5.84

**Manufacturer part number listed.*

Mini Flap Discs

NORTON SAINT-GOBAIN

- Grinding, stock removal, edge chamfering/beveling, weld blending, deburring/deflashing, rust removal, blending, cleaning, and finishing in small areas or tight spots.

TR (TYPE III) ATTACHMENT

Trade Name: **BLAZE R980P**

Abrasive: Ceramic Alumina

Flap: Polyester

Backing Plate: Extra Heavy-Duty Plastic

Attachment: **TR (Type III)**

Refer to page 12 for Quick Change Back-up Pads

Size	Std. Pkg.	Grit	A.C.T. No.	Special Price $
2"	10	36	77696090145*	6.49
2"	10	40	313076	6.49
2"	10	60	313657	6.49
2"	10	80	313524	6.49
3"	10	36	77696090150*	7.39
3"	10	40	313077	7.39
3"	10	60	313658	7.39
3"	10	80	312685	7.39

**Manufacturer part number listed.*

Flap Discs

NORTON SAINT-GOBAIN

NORTON BLAZE R980P

- Best/highest productivity for stainless steel, titanium and super alloys

NORTON GEMINI R766

- Good choice for aluminum, brass, bronze, stainless, carbon steel and titanium

Tier:	**BEST**	**GOOD**
Trade Name:	**BLAZE R980P**	**GEMINI R766**
Shape:	**TYPE 27 FLAT**	**TYPE 27 FLAT**
Flap Density:	**Standard**	**Standard**
Abrasive:	Ceramic Alumina	Aluminum Oxide/ Zirconia Alumina
Backing Plate:	**Quick Trim Plastic**	**Quick Trim Plastic**

Size	Std. Pkg.	Grit	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $
4-1/2 x 7/8	10	40	274210	7.78	280207	5.17
4-1/2 x 7/8	10	60	287510	7.78	283806	5.17
4-1/2 x 7/8	10	80	282895	7.78	283544	5.17
5 x 7/8	10	40	280985	9.72	272769	5.21
5 x 7/8	10	60	264802	9.72	272770	5.21
5 x 7/8	10	80	267572	9.72	272771	5.21
6 x 7/8	10	40	322400	12.74	280210	7.38
6 x 7/8	10	60	299906	12.74	293642	7.38
6 x 7/8	10	80	-	-	283545	7.38

Fibre Discs

The strongest of coated abrasive discs with resin-over-resin construction on heavy-duty fibre backing. Designed for applications ranging from heavy stock removal to surface blending. Used with back-up pads on portable angle grinders.

APPLICATIONS:
Stock removal, edge chamfering, weld blending, deburring/deflashing, rust removal, cleaning and finishing

BLAZE F980 CERAMIC ALUMINA
100% ceramic alumina micro-fracturing grain constantly exposes sharper grain edges to significantly increase cut rate and life over competitive blended/low-ratio ceramic alumina discs

BLAZEX F970 CERAMIC ALUMINA
Improved ceramic alumina micro-fracturing grain constantly exposes sharper grain edges to significantly increase cut rate and life over competitive blended/low-ratio ceramic alumina discs

MERIT FX672 ZIRCONIA ALUMINA
High-performance zirconia alumina abrasive blend provides 15% faster cut and longer life with less power draw than conventional zirconia discs

METAL F240 ALUMINUM OXIDE
Versatile, multi-purpose aluminum oxide abrasive provides consistent performance on numerous materials and small jobs

		Tier:	BEST	Tier:	BEST	Tier:	BETTER	Tier:	GOOD	
		Brand:	NORTON	Brand:	NORTON	Brand:	MERIT	Brand:	NORTON	
		Trade Name:	BLAZE F980	Trade Name:	BLAZEX F970	Trade Name:	FX672	Trade Name:	METAL F240	
		Abrasive:	Ceramic Alumina	Abrasive:	Ceramic Alumina	Abrasive:	Zirconia Alumina	Abrasive:	Aluminum Oxide	
Size (inch)	Std. Pkg.	Grit	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $
4-1/2 x 7/8	25	24	243250	4.24	-	-	173219	1.51	174115	0.76
4-1/2 x 7/8	25	36	247683	5.50	69957370193*	3.16	166930	1.44	174116	0.72
4-1/2 x 7/8	25	50	69957398002*	3.57	69957370194*	2.96	173220	1.42	174117	0.72
4-1/2 x 7/8	25	60	249101	3.39	69957370195*	2.66	173221	1.27	174118	0.68
4-1/2 x 7/8	25	80	69957398004*	3.06	69957370196*	2.53	166931	1.18	174119	0.63
5 x 7/8	25	24	264301	4.27	-	-	165406	1.84	174122	0.85
5 x 7/8	25	36	338736	3.98	69957370213*	4.71	166024	1.66	174123	0.83
5 x 7/8	25	50	231717	3.60	69957370214*	4.54	164615	1.51	174124	0.80
5 x 7/8	25	60	257946	3.43	69957370215*	4.32	165407	1.42	168216	0.79
5 x 7/8	25	80	231718	3.40	69957370216*	3.86	164659	1.31	-	-
5 x 7/8	50	100	-	-	69957370201*	4.20	-	-	174128	0.74
7 x 7/8	25	50	-	-	69957370202*	3.51	-	-	-	-
7 x 7/8	25	60	-	-	69957370203*	3.40	-	-	-	-
7 x 7/8	25	80	-	-	69957370204*	3.13	-	-	-	-

**Manufacturer part number listed.*

Fibre Disc Back-Up Pads

Spiralcool Air-Cooled Back-up Pads draw heat away from the grinding zone, reducing disc loading and increasing life. Spiralcool Disc Nut sold separately.

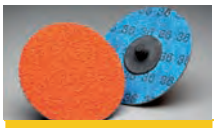
Model No.	Size	Description	A.C.T. No.	Special Price $
137633	4-1/2	VSM Smooth Med/Hard c/w Disc Nut 5/8-11	332893	8.17
15-D 044	4-1/2	Walter c/w Disc Nut 5/8-11	85767	13.10
R 500-R	5"	Spriralcool 5/8-11 hub	52797	28.82
15-D054	5"	Walter c/w Disc Nut 5/8-11	94300	14.36
137634	5"	VSM Smooth Med/Hard c/w Disc Nut 5/8-11	331884	9.38
100015	5"	VSM Turbo 3 Hard Cambered with Cooling Fins c/w Disc Nut 5/8-11	327848	22.07
PT504	5"	Wespro Turbo Style c/w Disc Nut 5/8-11	224366	6.80
103	5/8-11	Spiralcool disc nut	67086	9.78

Quick-Change Discs

Tool-free, twist-on fastening systems make fast work of disc changes to maximize productivity by minimizing downtime.

Applications

- 100% ceramic grain constantly exposes sharper edges to deliver highest productivity at lowest overall costs vs. competitive lower-ratio ceramic discs.
- Strong fiber backing, heavier and more rigid than conventional cloth discs, adds strength and tear resistance, and allows additional pressure for better results when grinding difficult materials.
- Advanced self-lubricating grain treatment provides coolest cut and significantly faster cut rates; excels on hard-to-grind materials like 300 and 400 Series stainless and exotic alloys.



TR (TYPE III) ATTACHMENT

Tier:	BEST	Tier:	GOOD
Brand:	NORTON	Brand:	NORTON
Trade Name:	BLAZE F980	Trade Name:	GEMINI R766
Abrasive:	Ceramic Alumina	Abrasive:	Aluminum Oxide
Backing:	Fibre – Heavy Duty	Backing:	Polyester Standard
Attachment:	TR (Type III)	Attachment:	TR (Type III)

Size (inch)	Std. Pkg.	Grit	A.C.T. No.	Special Price $	Std. Pkg.	A.C.T. No.	Special Price $
2"	25	36	269723	2.13	100	328165	0.80
2"	25	60	259627	1.88	100	319758	0.80
2"	25	80	267806	1.83	100	336507	0.80
3"	25	24	77696090140*	2.69	50	66623319026*	1.18
3"	25	36	269725	2.58	50	66623319027*	1.18
3"	25	50	269726	2.50	50	66623319029*	1.18
3"	25	60	269727	2.40	50	66623319030*	1.18
3"	25	80	269728	2.38	50	66623319031*	1.18

**Manufacturer part number listed.*

Speed-Change Fibre Discs

Features:

These fibre discs feature Norton quick, tool-free, twist-on and -off Speed-Change fasteners. Discs lock to standard back-up pads with a unique nut design and are easily removed, increasing your productivity with more time to grind.

Tier:	BEST
Trade Name:	BLAZEX F970
Abrasive:	Ceramic Alumina

Size	Std. Pkg.	Grit	A.C.T. No.	Special Price $
5 x 5/8-11 S/C	25	36	332112	3.64
5 x 5/8-11 S/C	25	50	69957370210*	3.43
5 x 5/8-11 S/C	25	60	69957370211*	3.27
5 x 5/8-11 S/C	25	80	69957370212*	2.94

**Manufacturer part number listed.*

Quick-Change Back-Up Pads

Roloc / TR Style

Size	Std. Pkg.	Density	A.C.T. No.	Special Price $
1"	1	Medium	220362	7.70
1-1/2"	1	Medium	71540	22.21
2"	1	Medium	215262	8.85
3"	1	Medium	215263	10.00
4" TR+	1	Medium	195925	29.53

Shank diameter = 1/4"

Cloth Shop / Handy Rolls

Engineered for flexibility and fast cutting, cloth sheets and rolls have a longer life than paper. They tear cleanly and straight without shredding and are packed in a protective dispenser to eliminate waste and damage.

Tier:	BETTER		BETTER		BETTER	
Brand:	NORTON		NORTON		NORTON	
Trade Name:	METALITE K225		METALITE K225		METALITE K225	
Abrasive:	Aluminum Oxide		Aluminum Oxide		Aluminum Oxide	
Size:	1" x 50 yds		1-1/2" x 50 yds		2" x 50 yds	
Grit	**A.C.T. No.**	**Special Price $**	**A.C.T. No.**	**Special Price $**	**A.C.T. No.**	**Special Price $**
40	338544	36.20	66261058715*	51.42	302440	66.74
50	69294	35.98	200938	50.44	63109	58.12
60	63048	28.20	64094	43.44	66233	55.62
80	45384	28.21	45393	38.05	45403	44.88
100	45383	28.21	45392	38.05	45402	44.88
120	45381	28.21	45391	38.05	45401	44.88
150	45380	28.21	45390	38.05	45400	44.88
180	45379	28.21	45389	38.05	45399	45.17
220	45378	28.21	45388	38.05	45398	44.88
240	45377	28.21	45387	38.05	45397	45.17
280	66261126269*	35.85	66261126281*	50.14	255697	63.81
320	45375	28.21	45386	38.05	45395	44.88
400	137326	35.85	45385	38.05	45394	44.88
600	137327	35.85	151400	50.14	159968	63.81

**Manufacturer part number listed.*

BETTER

GEMINI K225

Features:

- **PREMIUM P-GRADED** aluminum oxide abrasive for greater cut rate on general purpose metalworking application.
- Flexible J-weight cotton backing for superior conformability to complex surfaces and better finishes.
- Advanced full resin bond system for exceptional grain adhesion for longer life.

Tier:	GOOD		GOOD		GOOD	
Brand:	NORTON		NORTON		NORTON	
Trade Name:	METAL R243		METAL R243		METAL R243	
Abrasive:	Aluminum Oxide		Aluminum Oxide		Aluminum Oxide	
Backing:	J-Weight Cotton		J-Weight Cotton		J-Weight Cotton	
Size:	1" x 50 yds		1-1/2" x 50 yds		2" x 50 yds	
Grit	**A.C.T. No.**	**Special Price $**	**A.C.T. No.**	**Special Price $**	**A.C.T. No.**	**Special Price $**
60	304586	25.81	315293	36.02	315302	45.86
80	304587	21.66	315294	30.27	308283	38.52
100	304588	20.93	315295	29.31	315303	37.26
120	304589	20.93	315296	29.31	308284	37.26
150	304590	20.93	315297	29.31	308285	37.26
180	304591	20.93	315298	29.31	305888	37.26
240	304592	20.93	315299	29.31	308286	37.26
320	304593	20.93	315300	29.31	315304	37.26
400	304594	20.93	315301	29.31	308287	37.26

GOOD

METAL R243

Features:

- **QUALITY P-GRADED** aluminum oxide abrasive grain delivers fast cut rate and consistent finish on metals.
- Smooth, flexible J-weight cotton backing provides superior conformability to complex surfaces and better finishes.
- Advanced full resin bond system provides exceptional grain adhesion for longer life on aluminum, fiberglass, composites, hard woods and soft woods.

File Belts

Portable file belt sanders have replaced tedious hand filing and sanding. First introduced in pneumatic, they are now available in electric. Increasingly, tool manufacturers are introducing additional fixtures for an increasing number of applications. The belts listed are popular stock sizes, but additional sizes, specifications, backing materials, and edge scallops are available made-to-order.

NORTON BLAZE R980P

- Best for stainless, cobalt, chrome, inconel, titaninum, mild & carbon steel
- Durable Y-weight polyester, waterproof cloth backing for improved grain adhesion, reduced edge-fray, and better body retention, resulting in longer life and product consistency.

NORTON BLUEFIRE R823P

- Strong, self-sharpening zirconia alumina abrasive for fast, aggressive cut and 30% longer life than competitive zirconia belts
- Durable resin bond for excellent grain retention and product life
- Flexible X-weight polyester backing for moderate to light-pressure applications

Tier:	BEST			Tier:	BETTER		
Brand:	NORTON			Brand:	NORTON		
Trade Name:	BLAZE R980P			Trade Name:	BLUEFIRE R823P		
Abrasive:	Ceramic Alumina			Abrasive:	Zirconia Alumina		
Backing:	Y-Weight Polyester			Backing:	X-Weight Polyester		
Size	**Grit**	**A.C.T. No.**	**Std. Pkg.**	**Special Price $**	**A.C.T. No.**	**Std. Pkg.**	**Special Price $**
1/2 x 18"	40	324689	50	2.35	-	-	-
1/2 x 18"	60	332259	50	2.22	66623373756*	25	1.27
1/2 x 18"	80	264260	50	2.13	66623373757*	25	1.24
1/2 x 24"	40	255160	50	2.61	-	-	-
1/2 x 24"	60	69957398025*	50	2.43	66623373759*	25	1.31
1/2 x 24"	80	69957398026*	50	2.22	66623373760*	25	1.27
3/4 x 18"	40	334428	50	2.65	-	-	-
3/4 x 18"	60	299494	50	2.48	318400	25	1.48
3/4 x 18"	80	264261	50	2.32	66623373763*	25	1.42
3/4 x 20-1/2"	40	69957398030*	50	2.69	-	-	-
3/4 x 20-1/2"	60	305644	50	2.61	314429	25	1.59
3/4 x 20-1/2"	80	324546	50	2.46	303140	25	1.44

**Manufacturer part number listed.*

Portable Belts for Pneumatic In-Line Drum Sanders

NORTON REDHEAT R983

- Exceptional performance, especially on hard-to-grind alloys.
- Strong Y-weight polyester, waterproof cloth backing for improved grain adhesion, reduced edge-fray and better body retention, resulting in longer life and product consistency.

Tier:	BEST
Brand:	NORTON
Trade Name:	R983
Abrasive:	Ceramic Alumina
Joint:	Plyweld
Grain Coating:	Closed Coat / Supersize

NORTON RAPID PREP

- Better choice for finishing and blending applications.
- Proprietary Clean Bond resin technology and open coat guarantee smear-free finishes even on high nickel content alloys and minimizes loading on aluminum and other soft metals.

Tier:	BETTER
Brand:	NORTON
Trade Name:	RAPID PREP
Abrasive:	Aluminum Oxide
Joint:	Plyweld
Grain Coating:	Proprietary Clean Bond

Size	Std. Pkg.	Grit	A.C.T. No.	Special Price $	Std. Pkg.	Grit	A.C.T. No.	Special Price $
3-1/2 x 15-1/2"	10	36	294260	11.30	8	COARSE	146129	22.94
3-1/2 x 15-1/2"	10	60	115592	8.27	8	MEDIUM	330834	22.94
3-1/2 x 15-1/2"	10	80	120836	7.87	8	FINE	337471	22.94

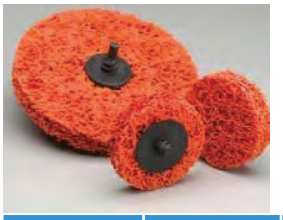
Non-Woven Hand Pads

Surface finishing hand pads are made of a nylon web impregnated with abrasive grain and resin bond.

Size	Colour	Description	Abrasive	Grit	Std. Pkg.	A.C.T. No.	Special Price $
6 x 9"	Maroon	747 General Purpose Plus Pad	A/O	VF	60	98451	0.73
6 x 9"	Dark Tan	740 Heavy-Duty Pad IMPROVED	A/O	Med	40	147162	2.09
6 x 9"	Lt. Green	696 Food Pro Pad	A/O	VF	60	248538	0.42
4-1/2 x 9"	Maroon	Thin Flex Cleaning Pad	A/O	VF	25	316790	23.83

Quick Change Rapid Strip Discs Blaze Rapid Strip

Refer to page 12 for Quick Change Back-up Pads



TR (TYPE III) ATTACHMENT

Features

- Manufactured with extruded nylon fibers, flexible resin technology and extra-coarse abrasive grains

Benefits

- Provide a unique combination of aggressive performance, life and improved finish
- Outperform traditional coated abrasive products, leaving a thoroughly cleaned surface, ensuring excellent adhesion in subsequent processes such as coating, painting and soldering
- Great alternative to wire brushes
- Will not load on sticky coatings, adhesives, and soft metals, or snag and shed like a fiber disc
- 2X faster cutting than competitive discs; lasts 2X (plus) as long
- Stiff enough to stand abuse; soft enough to prevent gouging and rework. Apply some pressure to strip/remove coatings; lighter pressure finishes like a surface finishing disc

Size	Std. Pkg.	A.C.T. No.	Special Price $
2 x 1/2"	25	295088	7.12
3 x 1/2"	25	306499	9.50
4 x 1/2" TR+	2	66623303921*	12.72

**Manufacturer part number listed.*

Rapid Strip Wheels

Features

- Extruded nylon fibers, flexible resin technology, and extra-coarse silicon carbide mineral

Benefits

- Provide a unique combination of aggressive performance, long life, and improved finish while outperforming traditional coated abrasives
- Leave a thoroughly cleaned surface that ensures excellent adhesion for subsequent processes such as coating, painting and soldering

Size	Std. Pkg.	A.C.T. No.	Special Price $
4 x 1/2 x 1/2	25	66261007916*	13.29
6 x 1/2 x 1/2	15	66261008051*	21.55

**Manufacturer part number listed.*

NORTON Blaze Rapid Strip Non-Woven Depressed Center Discs - Type 27

BEST CHOICE FOR QUICK AND EASY ROUGH CLEANING AND STRIPPING OF ALL MATERIALS

	Tier:	BEST	Tier:	GOOD	Tier:	BEST	Tier:	BETTER
	Trade Name:	BLAZE RAPID STRIP	Trade Name:	RAPID STRIP	Trade Name:	VORTEX RAPID BLEND	Trade Name:	RAPID BLEND
	Abrasive:	Ceramic Alumina	Abrasive:	Silicon Carbide	Abrasive:	Engineered A/O	Abrasive:	Aluminum Oxide
	Grit Size:	36-50	Grit Size:	36-50	Grit Size:	100-120	Grit Size:	150-180
	Grade:	X-Coarse	Grade:	X-Coarse	Grade:	Medium	Grade:	NEX-2AM
	Type/Backing:	Type 27/Fiberglass	Type/Backing:	Type 27/Fiberglass	Type/Backing:	Type 27/Fiberglass	Type/Backing:	Type 27/Fiberglass
Size	Std. Pkg.	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $
4-1/2 x 5/8-11"	10	66254498101	19.34	176246	16.71	-	-	-	-
5 x 5/8-11"	10	281306	23.22	281306	23.22	-	-	-	-
4-1/2 x 7/8"	10	271168	18.53	-	-	271335	28.06	223358	24.11

NORTON Rapid Blend Aluminum Oxide

- Premium aluminum oxide grain; engineered for more demanding applications.
- Uniform construction maintains part tolerance; prevents cutting and gouging.
- Smear-free bond excels at producing light satin finishes.

	Tier:	BETTER	Tier:	BETTER	Tier:	BETTER		
	Trade Name:	RAPID BLEND	Trade Name:	RAPID BLEND	Trade Name:	RAPID BLEND		
	Abrasive:	Aluminum Oxide	Abrasive:	Aluminum Oxide	Abrasive:	Silicon Carbide		
	Grit Size:	150-180	Grit Size:	220-280	Grit Size:	320-400		
	Grade:	High Strength Medium	Grade:	NEX-2AF	Grade:	NEX-2SF		
	Type/Backing:	Type 27/Fiberglass	Type/Backing:	Type 27/Fiberglass	Type/Backing:	Type 27/Fiberglass		
Size	Std. Pkg.	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $	
4-1/2 x 7/8"	10	248808	13.07	248806	24.11	248807	24.11	

**Manufacturer part number listed.*

Mini Flap Wheels

Tier: **BETTER**
Trade Name: **PINK R928**
Abrasive: Ceramic Alumina
Backing: X-Weight Poly/Cotton

NORTON SAINT-GOBAIN

Features

Ceramic grain provides better performance than zirconia alternatives, Improved resin bond system provides longer life and Versatile X-weight poly cotton backing for flexibility and life

Benefits

- Small flap wheels, ranging from 1" to 3" diameter, mounted on a 1/4" diameter steel shank
- Very durable, long-lasting mini flap wheels for demanding, heavy stock removal applications

Size	Grit	Std. Pkg.	A.C.T. No.	Special Price $
1 x 1 x 1/4	40	10	334429	5.50
1 x 1 x 1/4	60	10	332929	5.50
1 x 1 x 1/4	80	10	69957339703*	5.50
1 x 1 x 1/4	120	10	69957339704*	5.50
2 x 1 x 1/4	40	10	69957339705*	8.90
2 x 1 x 1/4	60	10	332928	8.90
2 x 1 x 1/4	80	10	69957339711*	8.90
2 x 1 x 1/4	120	10	69957339712*	8.90
3 x 1 x 1/4	40	10	334430	10.96
3 x 1 x 1/4	60	10	69957339714*	10.96
3 x 1 x 1/4	80	10	69957339715*	10.96
3 x 1 x 1/4	120	10	69957339716*	10.96

**Manufacturer part number listed.*

Rapid Prep Non-Woven Speed-Change Discs

NORTON SAINT-GOBAIN

Tier: **BEST**
Trade Name: **RAPID PREP XHD**
Abrasive: Ceramic Alumina

Features

These discs feature Norton quick, tool-free, twist-on Speed-Change fasteners. Discs lock to standard back-up pads with a unique nut design and are easily removed, increasing your productivity with more time to grind.

Benefits

- Quality aluminum oxide abrasive grain coating provides up to 20% higher cut rate and 50% better performance than competitive products
- Premium high-loft nylon fiber bonded to a strong nylon scrim backing allows a thick layer of resin bond and grain for extended life, added durability and stiffness
- Proprietary Clean Bond resin technology guarantees smear-free finishes even on high nickel content alloys and reduces loading on aluminum and other soft metals

Size	Std. Pkg.	A.C.T. No.	Special Price $
COARSE			
4-1/2" x 5/8-11	25	66261170060*	8.82
5" x 5/8-11	25	322884	10.39
7" x 5/8-11	25	66261170288*	15.88
MEDIUM			
4-1/2" x 5/8-11	25	66261170062*	8.82
5" x 5/8-11	25	322885	10.75
7" x 5/8-11	25	66261170289*	15.88

**Manufacturer part number listed.*

Rapid Prep Non-Woven Hook and Loop Discs

NORTON SAINT-GOBAIN

Best choice for aggressive stock removal and blending in one step!

Tier: **BEST**
Trade Name: **RAPID PREP XHD**
Abrasive: Ceramic Alumina

Features

- Coarse and Medium discs solve your most aggressive stock removal and blending challenges; remove weld lines, weld spatter, weld discoloration and blend surfaces in a single step
- Improve cut control and surface blending over traditional coated flap discs and fiber discs from our unique combination of a conformable fiber matrix and premium ceramic grain
- XHD Coarse discs for aggressive weld removal and surface blending on steels and Medium discs on softer metals/alloys

Size	Std. Pkg.	A.C.T. No.	Special Price $
COARSE			
4-1/2 Blank	40	66261170179*	6.87
4-1/2 x 7/8	40	66261170275*	6.80
5 Blank	40	341441	8.36
5 x 7/8	40	338052	8.87
MEDIUM			
4-1/2 Blank	40	66261170183	6.75
4-1/2 x 7/8	40	66261170282*	6.80
5 Blank	40	66261170185*	8.19
5 x 7/8	40	337976	8.87

**Manufacturer part number listed.*

Rapid Finish General Purpose

NORTON SAINT-GOBAIN

Tier:	BEST
Brand:	NORTON
Trade Name:	RAPID FINISH GENERAL PURPOSE

Size (D x T x H)	Grit	Abrasive	Density	Std. Pkg.	A.C.T. No.	Special Price $
6 x 1/2 x 1	Medium	Aluminum Oxide	7 Density	4	66261134177*	57.97
6 x 1/2 x 1	Medium	Aluminum Oxide	8 Density	4	66261134178*	58.24
6 x 1/2 x 1	Medium	Aluminum Oxide	9 Density	4	66261134179*	58.62
6 x 1/2 x 1	Medium	Silicon Carbide	9 Density	4	66261108076*	58.62
6 x 1/2 x 1	Fine	Silicon Carbide	7 Density	4	66261133213*	57.97
6 x 1/2 x 1	Fine	Silicon Carbide	8 Density	4	312172	57.65
6 x 1/2 x 1	Fine	Silicon Carbide	9 Density	4	312173	58.62
6 x 1 x 1	Medium	Aluminum Oxide	6 Density	3	66261134180*	80.21
6 x 1 x 1	Medium	Aluminum Oxide	7 Density	3	66261134181*	81.55
6 x 1 x 1	Medium	Silicon Carbide	7 Density	3	339287	81.55
6 x 1 x 1	Medium	Aluminum Oxide	8 Density	3	66261134182*	82.03
6 x 1 x 1	Medium	Silicon Carbide	8 Density	3	66261133215*	82.03
6 x 1 x 1	Medium	Aluminum Oxide	9 Density	3	66261134183*	82.57
6 x 1 x 1	Medium	Silicon Carbide	9 Density	3	66261108075*	82.57
6 x 1 x 1	Fine	Aluminum Oxide	6 Density	3	66261132100*	80.21
6 x 1 x 1	Fine	Silicon Carbide	6 Density	3	66261114475*	80.21
6 x 1 x 1	Fine	Silicon Carbide	7 Density	3	66261119988*	80.66
6 x 1 x 1	Fine	Aluminum Oxide	8 Density	3	315564	81.17
6 x 1 x 1	Fine	Silicon Carbide	8 Density	3	63642577269*	81.17
6 x 1 x 1	Fine	Silicon Carbide	9 Density	3	342376	82.62
6 x 1 x 1	Very Fine	Silicon Carbide	6 Density	3	66261131970*	80.21
6 x 2 x 1	Medium	Aluminum Oxide	7 Density	2	66261134184*	131.10
6 x 2 x 1	Medium	Silicon Carbide	7 Density	2	337592	131.10
6 x 2 x 1	Fine	Silicon Carbide	7 Density	2	66261132325*	131.10
8 x 1 x 3	Medium	Silicon Carbide	7 Density	3	66261108066*	103.36
8 x 1 x 3	Medium	Silicon Carbide	8 Density	3	66261108069*	102.52
8 x 1 x 3	Fine	Silicon Carbide	6 Density	3	66261108064*	101.65
8 x 1 x 3	Fine	Silicon Carbide	7 Density	3	66261108065*	103.36
8 x 1 x 3	Fine	Silicon Carbide	8 Density	3	63642553754*	102.52
8 x 1 x 3	Fine	Silicon Carbide	9 Density	3	63642576004*	103.22
8 x 1 x 3	Very Fine	Silicon Carbide	9 Density	3	66261133209*	100.18
8 x 2 x 3	Medium	Silicon Carbide	7 Density	2	313025	174.22
8 x 2 x 3	Fine	Silicon Carbide	7 Density	2	66261114480*	174.22
8 x 2 x 3	Fine	Silicon Carbide	8 Density	2	66261114483*	175.32
8 x 2 x 3	Fine	Silicon Carbide	9 Density	2	66261114486*	176.47
8 x 2 x 3	Very Fine	Silicon Carbide	9 Density	2	66261133210*	171.34
10 x 1 x 5	Medium	Aluminum Oxide	7 Density	3	66261134185*	122.93
10 x 1 x 5	Fine	Silicon Carbide	8 Density	3	66261106554*	123.63
10 x 1 x 5	Fine	Silicon Carbide	9 Density	3	66261114488*	124.44
10 x 2 x 5	Fine	Silicon Carbide	8 Density	1	63642581044*	216.02
12 x 1 x 5	Medium	Aluminum Oxide	9 Density	2	66261134186*	144.36
12 x 1 x 5	Fine	Silicon Carbide	6 Density	2	66261108053*	142.22
12 x 1 x 5	Fine	Silicon Carbide	7 Density	2	66261114481*	143.07
12 x 1 x 5	Fine	Silicon Carbide	8 Density	2	66261114484*	143.85
12 x 1 x 5	Fine	Silicon Carbide	9 Density	2	66261114074*	144.36
12 x 1 x 5	Very Fine	Silicon Carbide	9 Density	2	66261134187*	140.13
12 x 2 x 5	Fine	Silicon Carbide	7 Density	1	66261114482*	255.18
12 x 2 x 5	Fine	Silicon Carbide	8 Density	1	66261112766*	256.66
12 x 2 x 5	Fine	Silicon Carbide	9 Density	1	66261114490*	258.53

**Manufacturer part number listed.*

Features

Best choice for broad range of applications: general deburring, blending, and finishing on all materials including metals, wood, glass

Benefits

- Eliminate smearing and loading on a wide range of workpieces (from high-nickel-content alloys to aluminum and other soft metals with patent-pending Norton Clean Bond resin technology.
- Increase throughput with a 30% faster finish through new Norton grain/bond configuration.
- decrease wheel changes with a 10-30% longer life, provided by a new fiber and the high-temperature resin bond.
- Easy wheel selection with color-coding wheel to match the primary use (maroon for General Purpose), and fiberglass core to match the abrasive (black for silicon carbide and white for aluminum oxide)

Non-Woven Hook and Loop Discs

Features

- Proprietary Vortex aluminum oxide abrasive grain and coating method
- Clean Bond resin system, aerospace-tailored
- Improved hook and loop backing

Benefits

- Most consistent cutting and finishing of surface conditioning products on the market
- Combines maximum cutting speed with the finish of finer grits
- Reduce process times by 50+% by combining multiple grit sequences to 1 step in a blending operation
- More resistant to edge wear; up to 4X life vs. competitive products
- Friable grain structure keeps Ra specs throughout disc life and reduces scrap and rework
- Smear-free, even on high nickel content alloys
- Will not load on aluminum and soft metals, as competitive products may
- Will not fly off rotary sanders
- Discs sit flatter on back-up pads, resulting in a more consistent finish on DA applications

NORTON SAINT-GOBAIN

Tier: **BEST**
TRADE NAME: **VORTEX RAPID PREP**
ABRASIVE: Engineered Aluminum Oxide

Size	Std. Pkg.	Grit	A.C.T. No.	Special Price $
4-1/2"	25	Coarse	66623334943*	5.83
4-1/2"	25	Medium	66623334961*	5.02
4-1/2"	25	Fine	66623333607*	5.02
4-1/2"	25	V Fine	66623333615*	5.02
4-1/2"	-	-	-	-
5"	25	X Coarse	66623334974*	6.97
5"	25	Coarse	282668	6.97
5"	25	Medium	282669	6.01
5"	25	Fine	282670	6.01
5"	25	V Fine	66623333617*	6.01
6"	25	X Coarse	66623333621*	9.30
6"	25	Coarse	66623334949*	9.30
6"	25	Medium	284181	8.02
6"	25	Fine	284182	8.02
6"	25	V Fine	284183	8.93

**Manufacturer part number listed.*

Back-Up Pads for Hook And Loop Discs

Size	Spindle Or Hole	A.C.T. No.	Special Price $
4-1/2	5/8-11	267765	39.09
5	5/8-11	231996	38.11
6	5/8-11	05539562723*	50.36

**Manufacturer part number listed.*

NORTON SAINT-GOBAIN

Quick-Change Surface Preparation Discs

NORTON SAINT-GOBAIN

Features

- Proprietary Vortex aluminum oxide abrasive grain and coating method
- Clean Bond resin system, aerospace-tailored
- Extended form holding

Benefits

- Combines maximum cutting speed with the consistent finish of finer grits
- Reduce process times by 50+% by combining multiple grit sequences to 1 step
- More resistant to edge wear; up 4X life versus competitive products
- Friable grain structure keeps Ra specs throughout disc life, reducing scrap/rework
- Smear-free, even on high nickel content alloys
- Will not load on aluminum and soft metals, as competitive products may
- Lowest total cost of consumable tooling per workpiece

TR (TYPE III) ATTACHMENT

Tier: **BEST**
TRADE NAME: **VORTEX RAPID PREP**
ABRASIVE: Engineered Aluminum Oxide
ATTACHMENT: TR (Type III)

Refer to page 12 for Quick Change Back-up Pads

Size	Std. Pkg.	Grit	A.C.T. No.	Special Price $
2"	50	X Coarse	315413	1.03
2"	50	Coarse	315701	1.03
2"	50	Medium	314171	0.96
2"	50	Fine	313525	0.96
3"	25	X Coarse	336756	2.28
3"	25	Coarse	289135	2.28
3"	25	Medium	274649	2.12
3"	25	Fine	337827	2.12
4"	25	X Coarse	66623335329*	5.69
4"	25	Coarse	66623335419*	5.69
4"	25	Medium	332346	4.90
4"	25	Fine	66623325041*	4.90

**Manufacturer part number listed.*

Non-Woven Surface Conditioning Belts

Norton non-woven belts are a combination of strong synthetic mesh and quality abrasive, bonded together by a smear-resistant adhesive. The open construction of non-woven material enables aggressive cutting action and improved surface finish while maintaining its non-loading feature.

		Tier:	BEST	Tier:	BETTER	
		Trade Name:	VORTEX RAPID PREP	Trade Name:	RAPID PREP	
		Abrasive:	Engineered Aluminum Oxide	Abrasive:	Aluminum Oxide	
Size (inch)	**Std. Pkg.**	**Grit**	**A.C.T. No.**	**Special Price $**	**A.C.T. No.**	**Special Price $**
1/2 x 18	24	Coarse	-	-	115285	5.13
-	24	Medium	-	-	115284	5.13
-	24	Fine	-	-	331072	5.13
1/2 x 24	24	Coarse	-	-	66261055312*	5.40
-	24	Medium	-	-	66261008972*	5.40
-	24	Fine	-	-	66254490859*	5.40
3/4 x 18	12	Coarse	-	-	330150	7.10
-	12	Medium	-	-	282667	7.10
-	12	Fine	-	-	332345	7.10
3/4 x 20-1/2	12	Coarse	-	-	66261083899*	12.71
-	12	Medium	-	-	330628	12.71
-	12	Fine	-	-	66623333427*	14.03
3-1/2 x 15-1/2	8	X Coarse	332784	47.99	-	-
-	8	Coarse	332785	32.91	-	-
-	8	Medium	299492	32.91	-	-
-	8	Fine	66623333665*	32.91	-	-
-	8	V Fine	299491	32.91	-	-

**Manufacturer part number listed.*

NORTON RAPID PREP

GOOD CHOICE FOR FINISHING AND BLENDING APPLICATIONS

Benefits

- Smear-free, even on high nickel content alloys
- Will not load on aluminum and soft metals, as competitive
- Thick layer of grain throughout the product extends life; grain
- Lowest total cost of consumable tooling per workpiece
- 50% better life than competitive aluminum oxide products

NORTON VORTEX RAPID PREP

NON-WOVEN BELTS BETTER CHOICE FOR FINISHING AND BLENDING APPLICATIONS

Benefits

- Most consistent cutting and finishing of surface conditioning products on the market
- Reduce process times by 50+% by eliminating 2 to 5 grit sequences to 1 step in your techincal blending operations
- Will not load on aluminum and soft metals, as competitive products may

3D Quick-Change Deburring & Blending Discs

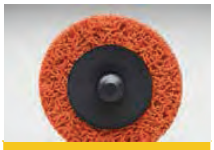
Abrasive is distributed throughout the entire disc (top, bottom and side) so all three faces can be used versus competitive discs with one bottom layer of abrasive

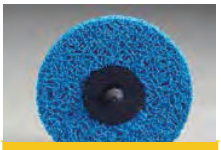
BLAZE RAPID BLEND

- Blaze SG ceramic alumina grain provides quickest cut rate and up to 8X longer life than competitive aluminum oxide discs

VORTEX RAPID BLEND

- Patented Vortex agglomerated aluminum oxide grain provides the cutting power of a coarser grit with the finish of finer grits





Tier:	BEST	Tier:	BEST
Trade Name:	BLAZE RAPID BLEND	Trade Name:	VORTEX RAPID BLEND
Abrasive:	Ceramic Alumina	Abrasive:	Engineered Aluminum Oxide
Grit:	X Coarse	Grit:	Medium
Attachment:	TR (Type III)	Attachment:	TR (Type III)

Size (inch)	Std. Pkg.	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $
2 x 1/4	25	337461	5.24	261642	4.44
3 x 1/4	25	322345	7.87	297166	6.76

Refer to page 12 for Quick Change Back-up Pads

TR (TYPE III) ATTACHMENT

NORTON
SAINT-GOBAIN

FastTRACK™ SERVICE

CANADIAN SERVICE, PRODUCTS, AND PRICES ARE BETTER THAN EVER!

MAKE-TO-ORDER BELT SERVICE

When you need Abrasive Belts fast the right source to turn to.

Quick Lead Time on Narrow Belts

- Unique CAP codes provide high performance to general purpose solutions
- Competitive (converter) prices
- Low minimum quantities for lower inventory commitment
- Next Day Air shipments are available

FastTrack Ordering Quantities

WIDTH*	GRIT SIZE	MIN. ORDER QTY	CASE QTY	MAX. ORDER QTY (EQUALS 2 CASES)
Narrow Belts				
1/2" through 1"	All	50	200	400
Over 1" through 5"	All	10	50	100
Over 5" through 9"	All	10	20	40
Over 9" through 14"	All	10	10	20

**FastTrack belt service applies to belts 25" and greater in length - with standard flexes and joints.*

TIER	CAP CODE	SIZE	ABRASIVE GRAIN	GRIT	BACKING	APPLICATIONS
BEST	CNSG	1/2"-14" Wide	Ceramic Alumina	24-80, 120	Y-wt. Polyester	Ceramic grain with special grinding aid, designed for grinding hard-to-grind alloys and heat-sensitive jobs
BETTER	CNNZ	1/2"-14" Wide	Zirconia Alumina	24-120	Y-wt. Polyester	Zirconia alumina grain, with grinding aid, for grinding heat-sensitive alloys: Inconel, titanium and stainless steel
GOOD	CNAO	1/2"-14" Wide	Premium A/O	24- 80 100-400	Y-wt. Polyester X-wt. Polyester	Heat-treated aluminum oxide grain and strong polyester backing for ferrous and nonferrous materials
GOOD	CNAOJ	1/2"-14" Wide	Premium A/O	P80-P600	J-wt. Cotton	P-graded, heat-treated aluminum oxide grain and strong, flexible cotton backing for polishing & finishing ferrous and nonferrous materials

CONTACT YOUR NEAREST A.C.T. BRANCH FOR SPECIAL PRICING

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FastTrack Service Made-to-Order Belts

For many non-stock belts, our FastTrack belt service offers all the benefits of an ISO 9001 quality manufacturer and the advantages of a coated abrasives express belt service. As the industry leader of abrasive belts, our FastTrack belt service has an extensive range of Norton made-to-order belts including Blaze ceramic alumina, BlueFire zirconia alumina, versatile aluminum oxide and silicon carbide belts.

Manufacturing lead-time is two days for narrow belts (1/2" – 12" wide) and three days for wide belts (14" – 52" wide). Please see the FastTrack belt service chart below for complete details on availability and lead-time.

Metalworking

TIER	PRODUCT CAP CODE	SHAPE AVAILABILITY	GRIT SIZE	ABRASIVE GRAIN	BACKING	APPLICATIONS
Best	R980P	Narrow, Wide	24-120	Blaze Ceramic Alumina	Y-wt. Polyester	Latest-generation Norton SG grain, supersized and designed for high-performance grinding on stainless and other alloys.
Best	R984	Narrow, Wide	36-120	SG Ceramic Alumina	Y-wt. Polyester	Norton SG grain for medium-pressure grinding and finishing heat-sensitive alloys.
Best	R983	Narrow	P36-P120	Red Heat Ceramic Alumina	Y-wt. Plus	P-graded ceramic alumina abrasive with lubricating supersize coat; engineered for maximum productivity on mild carbon steel, ferrous metal, and cast iron applications.
Better	R884P	Narrow, Wide	24, 36-80	BlueFire Zirconia Alumina	Y-wt. Polyester	High-performance zirconia alumina grain designed for medium- to high-pressure grinding.
Better	R887D	Narrow, Wide	24, 36-120	BlueFire Zirconia Alumina	Y-wt. Polyester	High-performance zirconia alumina grain, supersized and designed for medium- to highpressure grinding of heat-sensitive alloys.
Better	R823P	Narrow, Wide	60-220	BlueFire Zirconia Alumina	X-wt. Polyester	High-performance zirconia alumina grain on lighter backing designed for light to medium grinding.
Good	R766	Narrow	P24-80	Gemini Aluminum Oxide Blend	Y-wt. Polyester	Premium aluminum oxide blend product designed for a variety of applications including soft metals to hard-to-grind stainless and carbon stee.
Good	R766X	Narrow, Wide	P60-P400	Gemini Aluminum Oxide Blend	X-wt. Polyester	Quality, P-graded aluminum oxide and broad grit range for stock removal to finer finishing
Good	MX240	Narrow, Wide	P80-P150	Aluminum Oxide	X-wt. Poly/Cotton	P-graded, heat-treated aluminum oxide X-weight cloth with strong, but flexible, cotton/polyester backing making it an ideal multi-purpose product.
Good	R245	Narrow	P80-P240, P320, P400	Aluminum Oxide	J-wt. Polyester	Aluminum oxide on flexible, lightweight polyester backing for moderate- to light-pressure applications on mild steel.
Good	KF376	Narrow	P80-P320, P400, P600	Aluminum Oxide	J-wt. Cotton	P-graded, heat-treated aluminum oxide with ceramic coating on a very flexible backing for use wherever flexibility and conformability are needed.
Good	R445	Narrow	60-220	Silicon Carbide	X-wt. Polyester	Sharp, silicon carbide grain on medium polyester backing for grinding very hard materials– glass, stone, solid surface.
Good	U243	Narrow, Wide to 24"	X80, X65,X45, X30, X22, X16	NORaX Aluminum Oxide	J-wt. Cotton	High-performance, multi-layered NORaX grain on very flexible backing for dry polishing applications.

Woodworking

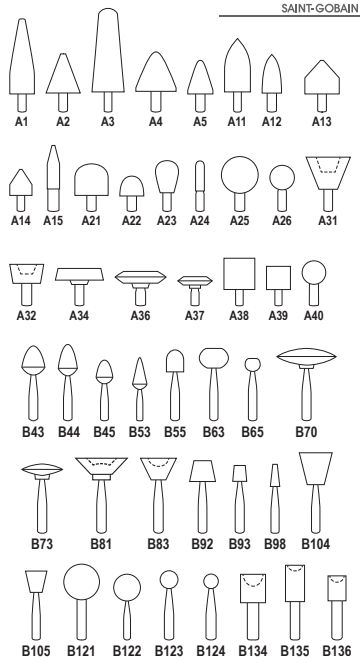
TIER	PRODUCT CAP CODE	SHAPE AVAILABILITY	GRIT SIZE	ABRASIVE GRAIN	BACKING	APPLICATIONS
Best	R963	Narrow, Wide	24-60, P80 100-150	SG Ceramic Alumina	Y-wt. Polyester	Norton SG ceramic alumina grain with anti-static coating for forest product applications (MDF, particleboard, plywood)
Best	R955	Narrow	P36-P120	Red Heat Ceramic Alumina	Y-wt. Cotton	100% ceramic alumina abrasive with Y-weight cloth backing for dimensioning, intermediate sanding of wood
Better	R831	Narrow, Wide	24, 36-120	BlueFire Zirconia Alumina	Y-wt. Cotton	Norton BlueFire open-coat product recommended for dry low-pressure applications or where loading is a problem
Good	R215	Narrow, Wide	50-180	Gemini Aluminum Oxide	X-wt. Cotton	Initial starting specification for woodworking applications where loading is a problem, and initial cost a primary concern
Good	R490	Narrow, Wide	P36-P150	Silicon Carbide	Y-wt. Polyester	Anti-static product for forest product applications (MDF, particle board, plywood) where loading is an issue
Good	R422	Narrow	50-120	Silicon Carbide	X-wt. Cotton	Initial starting specification for woodworking applications where loading is not an issue
Best	H975	Narrow, Wide	60-220	Red Heat Ceramic Alumina	F-wt. Paper	Ceramic alumina grain, antistatic coating, and open coat; the best choice for applications where loading is a problem (soft woods, etc.)
Better	H831	Wide	24,36-120	BlueFire Zirconia Alumina	F-wt. Paper	Durable zirconia alumina grain, antistatic coating, and open coat: the better choice for applications where loading is a problem (soft woods, etc.)
Good	H275B	Narrow, Wide	P60-P220	Aluminum Oxide	F-wt. Paper	Quality aluminum oxide grain, antistatic coating, and open coat make these an economical choice for all heavy-weight paper belt jobs
Better	H475	Narrow, Wide	P120-P400	Onyx Silicon Carbide	F-wt. Paper	Sharp silicon carbide and antistatic coating create finer finishes on hard materials and veneers where finish is critical

Vitrified Bond Mounting Points

NORTON SAINT-GOBAIN

38A – Used for all types of tool steel grinding, Norton 38A is the valued-price wheel for cool, fast tool reconditioning. This is the choice for light grinding applications on all tool steels.

Pacesetter mounted points are a stock offering of high quality, pre-engineered vitrified points. These mounted points are available in a wide range of standard shapes and spindles. Often used in removal of weld beads, deburring, tool sharpening, finishing cavities, removing mold marks and parting lines.



SOLD IN MULTIPLES OF 5

A Shapes

Shape	Size D x T (inch)	Shank Size (inch)	Max. RPM	A.C.T. No.	Special Price $
A1	3/4 x 2.1/2	1/4	20,960	105169	4.16
A2	1 x 1-1/4	1/4	32,420	105170	3.36
A3	1 x 2-3/4	1/4	15,530	105898	4.46
A4	1-1/4 x 1-1/4	1/4	28,550	105899	3.02
A5	3/4 x 1-1/8	1/4	38,550	105382	2.61
A11	7/8 x 2	1/4	25,420	105171	3.10
A12	11/16 x 1-1/4	1/4	38,050	105172	2.61
A15	1/2 x 1-1/16	1/4	50,510	105900	2.43
A21	1 x 1	1/4	35,510	105174	2.13
A23	3/4 x 1	1/4	40,300	105176	1.91
A24	1/4 x 3/4	1/4	56,000	104937	1.74
A25	1 Ball	1/4	35,510	104955	2.13
A26	5/8 Ball	1/4	48,980	105895	1.85
A31	1-3/8 x 1	1/4	27,780	105177	2.67
A36	1-5/8 x 3/8	1/4	23,510	105897	2.59
A38	1 x 1	1/4	35,510	105383	1.74
A39	3/4 x 3/4	1/4	44,030	104484	1.51
A40	3/4 Ball	1/4	44,030	105179	4.42

B Shapes

Shape	Size D x T (inch)	Shank Size (inch)	Max. RPM	A.C.T. No.	Special Price $
B43	1/4 x 5/16	1/8	76,160	113681	1.50
B44	7/32 x 3/8	1/8	75,840	105901	1.61
B53	5/16 x 5/8	1/8	67,070	104792	1.74
B81	3/4 x 3/16	1/8	50,930	104836	1.65
B121	1/2 Ball	1/8	62,420	130077	1.50
B122	3/8 Ball	1/8	68,740	104756	1.61
B123	3/16 Ball	1/8	84,720	168367	1.44
B135	1/4 x 1/2	1/8	71,340	107329	1.28

W Shapes

Shape	Size D x T (inch)	Shank Size (inch)	Max. RPM	A.C.T. No.	Special Price $
W188	1/2 x 1-1/2	1/4	31,070	105904	2.18
W208	3/4 x 2	1/4	22,830	107190	2.05
W220	1 x 1	1/4	30,370	106307	1.74
W222	1 x 2	1/4	20,250	107328	3.02
W235	1-1/2 x 1/4	1/4	25,460	108354	1.76
W238	1-1/2 x 1-1/2	1/4	20,720	113761	3.02
W242	2 x 1	1/4	19,100	105908	2.80

For more sizes, call your nearest branch

50-Piece Mounted Point Kits

NORTON SAINT-GOBAIN

- Each kit contains 5 each of 10 of our best selling mounted point shapes and specifications
- The 1 /4" spindle kits contain "A"-shaped points that are ideal for general maintenance and metalworking applications
- The 1 /8" spindle kits contain "B"-shaped points for light deburring machine parts or finishing/polishing dies
- The "W"-shaped points in all of these kits work well for precision grinding of medium to heavy stock

Tier:	BEST	GOOD
Brand:	Norton	Norton
Trade Name:	**QUANTUM**	**GEMINI**

Mounted Point Kits

Shape	Spindle Dia. † (inch)	Min./ Std. Pkg.	Description	Part #	Part #	A.C.T. No.	Special Price $
Assorted	1/4	1	50 piece Norton Gemini 1/4" Spindle Mounted Point Kit contains 5 each of 38A60-P A 1, AS, A11, A21, A23, A26, A36, A39, W242, and ASO-HBF3 W220	-	69083147789	293735	170.33
Assorted	1/8	1	50 piece Norton Gemini 1/8" Spindle Mounted Point Kit contains 5 each of 38A60-P B42, B52, B97, B122, B131, W154, W164, W185, W215, and A80-HBF3 W163	-	69083147669	323924	101.7

†Standard spindle size is 1/8" OR 1/4" X 1-1/2"

Scotch-Brite™ Belts

Premium Scotch-Brite™ surface conditioning belts have a non-woven web designed for cleaning, finishing, blending and deburring applications. Non-woven belts provide a more consistent, appealing finish in decorative finishing. They also resist loading and provide reduced heat build-up.

Portable Belts

Size	Grade	Color	A.C.T. No.	Special Price $
1/2 x 18"	Coarse	Brown	89039	8.18
	Medium	Maroon	98748	8.18
	V-Fine	Blue	126597	8.18
3/4 x 20-1/2"	Medium	Maroon	97189	12.92
1 x 30"	Coarse	Brown	71967	16.86
	Medium	Maroon	89319	16.86
3 x 24"	Medium	Maroon	136251	31.58
3-1/2 x 15-1/2"	Coarse	Brown	55386	35.71
	Medium	Maroon	55387	35.71
	V-Fine	Blue	83351	35.71

Benchstand Belts

Size	Grade	Color	A.C.T. No.	Special Price $
6 x 48"	Coarse	Brown	340835	87.91
	Medium	Maroon	63049	99.94
	V-Fine	Blue	55356	99.94

Backstand Belts

Size	Grade	Color	A.C.T. No.	Special Price $
3 x 132"	Coarse	Brown	158522	102.44
	Medium	Maroon	338132	102.44
4 x 132"	Medium	Maroon	67759	133.83
	V-Fine	Blue	55355	133.83

*For more sizes, call your nearest branch *Manufacturer part number listed*

Wet/Dry Paper Sheets

Use wet or dry, stays flexible and cuts fast. Use for sanding old finishes, fine featheredging and surface sanding. Silicon Carbide mineral is coated on a waterproof paper backing using waterproof resin bond. This product is a long established favourite for wet hand sanding.

Hand Sanding

Size	Grit	Standard Pkg.	A.C.T. No.	Special Price $
9 x 11"	60CG	50	55473	2.68
	80CG	50	54842	2.33
	100CG	50	55470	2.03
	150CG	50	55471	1.66
	180CG	50	55472	1.55
	220AG	50	55463	2.04
	240AG	50	55464	2.04
	320AG	50	55466	2.04
	400AG	50	55468	2.05
	600AG	50	55469	2.05

Clean & Finish Rolls

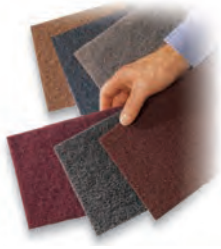
Flexible web for finishing, blending, and polishing. Conformable to access to hard-to-reach areas. Great for general use on a variety of materials. Use manually or on an in-line sander.

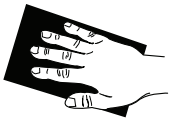
Hand Sanding

Model No.	Size	Type	A.C.T. No.	Price Per Roll
69000	4" x 30'	A-VFN	56864	73.69
69002	4" x 30'	A-FN	339489	89.11
69006	4" x 30'	S-UFN	56862	73.69

Hand Pads

Designed to offer the user a flexible and conformable abrasive for general purpose cleaning, blending, prep work, and finishing without damaging the work piece. Available in a variety of webs and grades.





Hand Sanding

Model No.	Standard Pkg.	Size	Grade	Colour	A.C.T. No.	Special Price $
7448	20	6"x9"	Ultra Fine	Light Grey	55310	0.97
7447	20	6"x9"	General	Maroon	55307	0.96
7446	20	6"x9"	Blending	Grey	55349	2.63
7445	20	6"x9"	Light Duty	White	55348	1.72
7440	20	6"x9"	Heavy Duty	Tan	55347	2.96

Scotch-Brite™ Deburring Wheels

Used to clean, finish, blend, deburr or polish all types of metals, composites and glass. Use for deburring and edge radiusing of a variety of sharp edged parts.

Size	Type	Grade	A.C.T. No.	Spacial Price $
6 x 1 x 1"	EXL	9S FINE	61529	74.68
6 x 1 x 1"	EXL	8A MED	85360	74.68
6 x 1 x 1"	EX2	8A MED	115249	108.66
8 x 1 x 3"	EXL	8A MED	95249	95.47
8 x 1 x 3"	EXL	9S FINE	66297	95.47

Scotch-Brite™ Multi Finish Wheels

Produces uniform grain finishes on stainless steel and other metals. Highly conformable and tough enough to finish edges and welds.

Size	Grade	A.C.T. No.	Special Price $
6 x 1 x 1"	2S CRS	101701	68.47
6 x 1 x 1"	2S MED	91421	68.47
6 x 1 x 1"	2S FINE	110522	68.47
6 x 2 x 1"	2S CRS	132300	106.66
6 x 2 x 1"	2S MED	66031	106.66

3M™ Cubitron™ II

Advancing your best work! The Cubitron™ II is a revolutionary advancement in abrasive technology featuring triangular-shaped ceramic minerals. As the triangular-shaped grain wears, it continually fractures to form sharp points that slice through the substrate, wear evenly and provide extra-long life and consistency.

- To be used with random orbital sanders
- Revolutionary 3M Precision-Shaped Grain technology provides fast cut and long life
- Cuts up to 2x as fast and lasts up to 6x as long as conventional abrasives
- Film backing for greater tear-resistance and edge retention
- Ideal for a wide variety of substrates and applications focused primarily on stock removal
- 3M™ Stikit™ Attachment makes changing discs fast and easy

Application: Coating Removal, Composite & Advanced Materials, Corrosion Removal, Finishing, Metalworking, Paint Preparation, Surface Preparation, Woodworking.

3M™ Cubitron™ II Hookit™ Film Disk 775L

Blending, Finishing/Polishing, Orbital Sanding, Paint Prep, Finish & Repair

Model No.	Diameter	Grit	Pkg Qty	A.C.T. No.	Special Price $
AB86818	5"	80+	50	323620	0.87
AB86819	5"	120+	50	328874	0.71
AB87026	5"	150+	50	338397	0.71
AB64263	5"	180+	50	338398	0.71
AB64269	5"	220+	50	335745	0.71
AB47095	5"	* 240+	50	AB47095*	0.71
AB47080	5"	* 320+	50	AB47080*	0.71
AB05055	5"	* 400+	50	AB05055*	0.71

** denotes new grade *Manufacturer part number listed*

3M™ Cubitron™ II Stikit™ Film Disk Roll 775L

Blending, Finishing/Polishing

Model No.	Diameter	Grit	Pkg Qty	A.C.T. No.	Special Price $
AB86810	5"	80+	100	AB86810*	85.24
AB86811	5"	120+	125	328863	89.24
AB64276	5"	150+	100	AB64276*	71.41
AB64280	5"	180+	100	AB64280*	71.41
AB64284	5"	220+	100	AB64284*	71.41
AB47084	5"	* 240+	100	AB47084*	71.41
AB47091	5"	* 320+	100	AB47091*	71.41
AB05063	5"	* 400+	100	AB05063*	71.41

** denotes new grade *Manufacturer part number listed*

3M™ Cubitron™ II Fibre Disc 982C

Grinding Reinvented 3M™ Cubitron™ II Fibre Discs are engineered to cut faster, cooler and with less grinding pressure than conventional abrasives. And they are long lasting for increased productivity! Choose 3M™ Cubitron™ II Fibre Discs 987C for cool cutting on stainless steel, high nickel alloys and superalloys. For carbon steel applications, try our 3M™ Cubitron™ II Fibre Discs 982C.

Application: Deburring, Edge Beveling, Edge Chamfering, Gate Removal, Grinding, High Pressure Grinding, Surface Finishing, Surface Preparation, Weld Removal & Finishing

3M™ Cubitron™ II Fibre Disc 982C for carbon steel

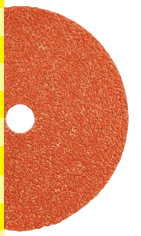
Model No.	Size (Inch)	Grit	Max RPM	Pkg Qty	A.C.T. No.	Special Price $
27400		36+			250223	3.56
27631	4.1/2 × 7/8	60+	13,300	25	314945	3.01
27635		80+			291660	2.77
27401		36+			251830	3.67
27632	5 × 7/8	60+	12,000	25	256478	3.06
27636		80+			263172	2.83
27402		36+			271022	4.09
27633	7 × 7/8	60+	8,600	25	27633*	3.43
27637		80+			27637*	3.18
27403	9.1/8 × 7/8	36+	6,600	25	250224	9.06
27634		60+			27634	8.12

**Manufacturer part number listed*

3M™ Cubitron™ II Fibre Disc 987C for stainless steel and other heat-sensitive alloys

Model No.	Size (Inch)	Grit	Max RPM	Pkg Qty	A.C.T. No.	Special Price $
27447		36+			314947	3.56
27653	4.1/2 × 7/8	60+	13,300	25	314948	3.01
AB27657		80+			301795	2.77
27448		36+			252414	3.67
27654	5 × 7/8	60+	12,000	25	289833	3.06
27658		80+			126199	2.83
27449		36+			27449*	4.09
27655	7 × 7/8	60+	8,600	25	27655*	3.43
27659		80+			27659*	3.18
27450		36+			27450*	9.35
27656	9.1/8 × 7/8	60+	6,600	25	27656*	7.34
27660		80+			27660*	9.49

**Manufacturer part number listed*



3M™ Cubitron™ II Cut-Off Wheels - Type 1

3M™ Cubitron™ II Cut-Off Wheels features 3M Precision Shaped Ceramic Grain to bring an exceptionally fast-cutting and long-lasting wheel for use on almost all materials, including stainless steel, mild steel, and aerospace alloys. 3M™ Cubitron™ II Cut-Off Wheels surpass 3M™ High Performance Wheels in both cut and life to deliver significant gains in productivity.

Application: High cut rates on all types of ferrous metals, Stainless Steels, Alloy Steels and Cast Iron.

Model No.	Size (Inch)	Max RPM	Pkg Qty	A.C.T. No.	Special Price $
66525	4.1/2 × .045 × 7/8	13,300	50	284681	3.96
65512	5 × .040 × 7/8	12,250	50	311002	4.50
66526	5 × .045 × 7/8	12,250	50	284682	4.51
66527	6 × .045 × 7/8	10,200	50	288661	4.79

3M™ Cubitron™ II Cut-Off Wheels - Type 27

Application: High cut rates on all types of ferrous metals, Stainless Steels, Alloy Steels and Cast Iron.

Model No.	Size (Inch)	Max RPM	Pkg Qty	A.C.T. No.	Special Price $
66531	4.1/2 × .045 × 7/8	13,300	50	302819	4.19
66537	5 × .045 × 7/8	12,250	50	284683	4.92
66541	6 × .045 × 7/8	10,200	50	302109	5.33

3M™ Cubitron™ II Cut & Grind Wheels - Type 27

Rigid, reinforced resin-bonded wheel is designed to be used both as a grinding wheel and as a cut-off wheel on both stainless and mild steel substrates, making them ideal for cutting, grinding, gouging and more. Also available with 3M™ Quick Change Attachment for improved productivity and throughput.

Application: Cutting, Grinding, Metal Fabrication, Metal Stock Removal

Model No.	Size (Inch)	Max RPM	Pkg Qty	A.C.T. No.	Special Price $
82279	4.1/2X1/8X7/8	13,300	20	301256	8.28
82278	5X1/8X7/8	12,250	20	286824	9.52
28758	6X1/8X7/8	10,200	20	288660	11.65
28760	7X1/8X7/8	8.500	20	293043	16.01

3M™ Cubitron™ II Depressed Centre Grinding Wheels - Type 27

Improved construction offers even greater durability and longer life. Same smooth-running feel. 3M™ Cubitron™ II Grinding Wheel is constructed of 3M Precision-Shaped Ceramic Grain to bring you an exceptionally fast-cutting and long-lasting rigid bonded wheel for heavy weld removal and other heavy-duty grinding applications. This grinding wheel works well on almost all materials and is specially formulated for use on stainless steel, mild steel, and aerospace alloys.

Application: Edge Beveling, Grinding, Weld Removal

Model No.	Size (Inch)	Max RPM	Pkg Qty	A.C.T. No.	Special Price $
78466	4.1/2 × 1/4 × 7/8	13,300	20	276894	8.01
78467	5 × 1/4 × 7/8	12,250	20	272923	9.27
64314	6 × 1/4 × 7/8	10,200	20	278967	11.31
64315	7 × 1/4 × 7/8	8,500	20	276895	11.87
64316	9 × 1/4 × 7/8	6,650	20	303039	16.04

3M™ Silver Cut-off Wheels

New 3M™ Silver Cut-off Wheels are a new kind of premium performance wheel designed to be affordable for everyday use. Featuring 3M precision-shaped grain technology, these innovative wheels cut cool to deliver fast, smooth cutting action on all types of ferrous metals, stainless steels and alloy steels. And customers report that they last longer than competitive aluminum oxide and alumina zirconia wheels. That means fewer wheel changes and more finished parts per wheel, to help improve shop productivity and control your costs. Designed to quickly cut through metal pipes, tubes, flat sheets, and more.

Application: Metal Slicing, Pipe Cutting, Tube Cutting

3M™ Silver Cut-off Wheels – Type 1

Model No.	(Inch)	Max RPM	Pkg Qty	A.C.T. No.	Special Price $
87465	4.1/2 × .045 × 7/8	13,300	25	339142	2.64
87467	5 × .045 × 7/8	12,250	25	313162	2.99
87469	6 × .045 × 7/8	10,200	25	333356	4.50
87471	7 × .045 × 7/8	8,500	25	87471*	6.08

Manufacturer part number listed

3M™ Silver Cut-off Wheels – Type 27

Model No.	Size (Inch)	Max RPM	Pkg Qty	A.C.T. No.	Special Price $
87466	4.1/2 × .040 × 7/8	13,300	25	87466*	2.64
87468	5 × .045 × 7/8	12,250	10	334551	2.99
87470	6 × .045 × 7/8	10,200	10	323269	4.50

Manufacturer part number listed

3M™ Silver Depressed Centre Grinding Wheels - Type 27

An unbeatable combination of performance and value

New 3M™ Silver Depressed Centre Grinding Wheels (DCGW) represent a new class of right angle abrasives—powered by the legendary speed and long life of 3M precision-shaped grain. They are an ideal choice for applications like weld removal, beveling, edge chamfering and more—offering a faster cut and longer life than aluminum oxide and alumina zirconia wheels.

Application: Edge Beveling, Grinding, Weld Removal

Model No.	Size (Inch)	Max RPM	Pkg Qty	A.C.T. No.	Special Price $
87453	4.1/2 × 1/4 × 7/8	13,300	10	330425	3.42
87454	5 × 1/4 × 7/8	12,250	10	316701	3.61
87450	6 × 1/4 × 7/8	10,200	10	317275	7.34
87451	7 ×1/4 × 7/8	8,500	10	327821	9.54
87452	9 ×1/4 × 7/8	6,650	10	87452*	14.37

Manufacturer part number listed

3M™ Cut & Grind Wheels - Type 27

Designed to be a cost-effective solution that doesn't compromise on performance

The 3M™ Cut & Grind Wheel is engineered for excellent every-day performance at an affordable price. Compared to conventional abrasive grains, the 3M Precision-Shaped Grain Technology incorporated in this wheel utilizes super-sharp, micro-replicated points for a cooler, faster, and longer-lasting cut. Harness the power of the cost-effective 3M™ Cut & Grind Wheel and blast through even the toughest metalworking jobs.

Application: Cutting, grinding, back-gouging, root-pass grinding, notching, beveling, filet grinding

3M™ Cut & Grind Wheel – T27

Model No.	Size (Inch)	Max RPM	Pkg Qty	A.C.T. No.	Special Price $
AB06462	4.1/2 × 1/8 × 7/8	10,200	10	AB06462*	4.32
AB06463	5 × 1/8 × 7/8	12,250	10	332434	4.81
AB06469	6 × 1/8 × 7/8	13,300	10	AB06469*	9.32
AB06470	7 × 1/8 × 7/8	8,500	10	AB06470*	10.23

Manufacturer part number listed

3M™ Flap Discs 769F

The 3M™ Flap Disc 769F is a high-performance abrasive disc built for versatility and value. Powered by 3M precision-shaped grain, it lasts longer and cuts faster than conventional aluminum oxide and alumina zirconia flap discs – and it's designed for everyday use. This unbeatable combination of performance and value can increase productivity while also lowering your abrasive spend.

Application: Blending, Deburring, Deburring Edges, Edge Beveling, Finishing, Sanding, Surface Preparation, Weld Grinding, Weld Preparation

3M™ Flap Discs 769F Type 27

Model No.	Grit	Size (Inch)	Max RPM	Pkg Qty	A.C.T. No.	Special Price $
AB05903	40+	4.1/2 x 7/8	13,300	10	332250	3.94
AB05904	60+		13,300	10	334464	3.94
AB05905	80+		13,300	10	326141	3.94
AB05924	120+		13,300	10	334465	3.94
AB05915	40+	5 x 7/8	12,000	10	322428	5.26
AB05918	60+		12,000	10	322327	5.26
AB05919	80+		12,000	10	323062	5.26
AB05928	120+		12,000	10	337317	5.26

3M™ Scotch-Brite™ Clean and Strip XT Pro Extra Cut Discs

Features aluminum oxide mineral incorporated into an open nylon web. More aggressive than XT Pro, it cuts to bare metal quickly to clean and prepare metal surfaces in one step. Ideal for heavier work like removal of rust, pits, weld discolouration, paints and coatings.

Application: Removing heavy rust, Removing rust pits, Removing thick paint, Removing corrosion, Removing weld discoloration, Weld cleanup

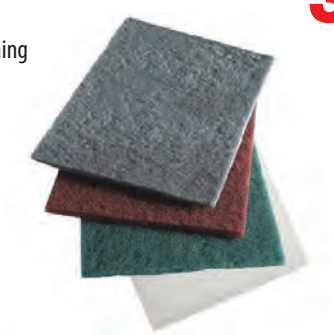
Scotch-BriteTM Clean and Strip XT Pro Extra Cut Discs Type 27 Quick Change

Model No.	Size (Inch)	Grit	Pkg Qty	A.C.T. No.	Special Price $
SB21050	4.1/2 x 5/8-11	XCS	10	321271	13.96
SB29936	5 x 5/8-11	XCS	10	323039	14.44

3M™ Hand Pads

Designed to offer the user a flexible and conformable abrasive for general purpose cleaning, blending, prep work, and finishing without damaging the work piece. Available in a variety of webs and grades.

Model No.	Size (Inch)	Colour	Grade	Pkg Qty	A.C.T. No.	Special Price $
7448	6 x 9	Light Grey	Ultra Fine	20	55310	0.97
7447	6 x 9	Maroon	General	20	55307	0.96
7446	6 x 9	Grey	Blending	20	55349	2.63
7445	6 x 9	White	Light Duty	20	55348	1.72
7440	6 x 9	Tan	Heavy Duty	20	55347	2.96

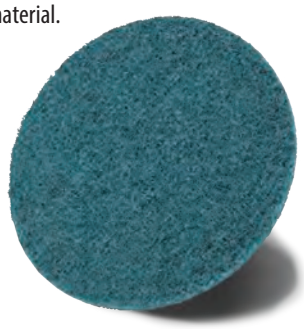


Scotch-Brite™ Surface Conditioning Disc

Scotch-Brite™ Surface Conditioning Discs come in a wide variety of grades and sizes, and are an ideal first step for cleaning, blending, deburring and finishing. Durable, non-woven fibre construction conforms well on irregular or contoured surfaces without undercutting or damaging the base material.

Application: Blending, Cleaning, Finishing, Light Deburring

Model No.	Size (Inch)	Colour	Gade	Pkg Qty	A.C.T. No.	Special Price $
SB14099	4.1/2 X NH	Blue	Very Fine	50	231783	3.23
SB14100		Maroon	Medium	50	231782	3.15
SB27671		Brown	Coarse	50	231781	3.61
SB69421	5 X NH	Blue	Very Fine	50	79512	3.40
SB27675			Medium	50	55645	3.40
SB69402		Brown	Coarse	50	55300	4.08



Cloth Discs - Roloc

These Roloc™ quick change discs are constructed on a YF weight heavy polyester cloth backing and utilizes 3M's 361F aluminum oxide abrasive which is resin bonded for heat resistance. They can be run wet or dry and are primarily for use in metalworking and woodworking. They are good for general purpose grinding, blending and deburring on all metals

Size	Grade	Button Color	A.C.T. No.	Special Price Ea. $
1-1/2" x NH	60YF	ORANGE	71370	0.72
	80YF	YELLOW	82225	0.72
	100YF	BLUE	146706	0.72
	120YF	WHITE	82226	0.72
2" x NH	24YF	BLACK	164604	1.22
	36YF	BROWN	94543	1.14
	50YF	GREEN	90971	1.07
	60YF	ORANGE	92466	1.01
	80YF	YELLOW	61568	0.98
	100YF	BLUE	97186	0.98
	120YF	WHITE	61994	0.98
3" x NH	24YF	BLACK	105543	1.55
	36YF	BROWN	137607	1.45
	50YF	GREEN	116827	1.35
	60YF	ORANGE	90584	1.31
	80YF	YELLOW	200959	1.28
	100YF	BLUE	125222	1.28
	120YF	WHITE	88004	1.28

Roloc Disc Holders

Pad Dia.	Grade	A.C.T. No.	Special Price $
1-1/2"	SOFT	100132	22.96
	MEDIUM	71540	22.21
	HARD	100133	22.89
2"	SOFT	164606	22.98
	MEDIUM	68412	25.07
	HARD	115974	22.98
3"	SOFT	72940	28.05
	MEDIUM	72942	28.05
	HARD	72941	28.05

*See Page 12 for Additional Holders

Scotch-Brite™ Surface Conditioning Discs - Roloc

These premium Scotch-Brite™ surface conditioning discs have a non-woven web that provides a burr-free decorative finish. They are coarser, tougher and more aggressive than regular Scotch-Brite™. Used for removing surface defects, blending, deburring, cleaning and finishing on steel, stainless and aluminum alloys.

Size	Grade	Color	A.C.T. No.	Special Price Ea. $
1-1/2" x NH	V-FINE	BLUE	87609	1.11
	MEDIUM	MAROON	60971	1.11
	COARSE	BROWN	87607	1.11
2" x NH	V-FINE	BLUE	61525	1.06
	MEDIUM	MAROON	61524	1.06
	COARSE	BROWN	84036	1.06
3" x NH	V-FINE	BLUE	86901	
	MEDIUM	MAROON	83468	
	COARSE	BROWN	83469	

Bench Mounted Flap Wheels

Applications: Metal, Wood, Plastic

Bonding Agent: Resin

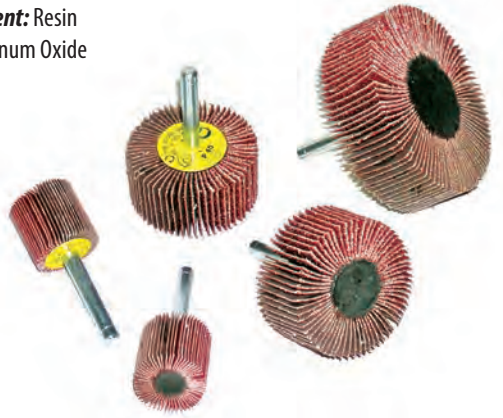
Grain: Aluminum Oxide

Size D x T x H (Inch)	Grit	RPM Max	A.C.T. No.	Special Price $/ea.
6 X 1 X 1	40	5800	138205	30.62
	60	5800	70022	30.62
	80	5800	56324	33.52
	120	5800	56327	33.52
6 X 2 X 1	40	5800	219886	46.35
	60	5800	200565	46.35
	80	5800	200566	55.44
	120	5800	200567	55.44

Flap Wheels

Abrasive flap wheels with spindle for hand-held inner surfaces, bottlenecks and hard-to-access areas, especially suited for radial applications.

Applications: Metal, Wood, Plastic
Bonding Agent: Resin
Grain: Aluminum Oxide



Grit	Width (Inch)	1" Dia.		2" Dia.		3" Dia.	
		A.C.T. No.	Price $	A.C.T. No.	Price $	A.C.T. No.	Price $
40	1	99650	4.48	103192	5.62	103191	8.53
60	1	56370	4.48	55580	5.62	56325	8.53
80	1	59616	4.48	64574	5.62	56322	8.53
120	1	56326	4.48	56383	5.65	68121	8.59
180	1	212661	4.48	200571	5.65	56387	8.64
240	1	212662	4.53	200572	5.95	100123	8.64
320	1	212663	4.53	212664	5.95	163134	8.64

Shop Rolls - KL361

High-quality, highly flexible universal product for the metal-working industry. Klingspor Shop Rolls could very well be the best shop roll material in the world. Numerous applications from maintenance to general quick use make these very versatile. It's almost crazy to make a shop roll material this good!

Hand Sanding

1" x 50 yd

Grit	A.C.T. No.	Price Per Roll
80G	86373	39.67
100G	56388	37.95
120G	56390	37.95
150G	54599	37.95
180G	86446	37.95
220G	86447	38.24
240G	86448	38.24
320G	54600	38.24
400G	56391	38.24
600G	86451	38.24

1.1/2" x 50 yd

Grit	A.C.T. No.	Price Per Roll
80G	54604	60.89
100G	54601	58.12
120G	54603	58.12
150G	86453	58.12
180G	54613	58.12
220G	56403	58.70
240G	54605	58.70
320G	86455	58.70
400G	86457	58.70
600G	86459	58.70

2" x 50 yd

Grit	A.C.T. No.	Price Per Roll
80G	54608	76.19
100G	54609	72.65
120G	56408	72.65
150G	56409	72.65
180G	54610	72.65
220G	54611	73.32
240G	86460	73.32
320G	56410	73.32
400G	86464	73.32
600G	86466	73.32

A 46 TZ Special - Kronenflex® cut-off wheels for Stainless steel, Steel

Abrasive Flap Wheels with flat flaps for surface finishing.
The fan-shaped radial placement of the flaps adapts to the contours of the workpiece.

- Minimal burr formation - High-performance cut-off wheel with long service life
- Steel, Stainless steel, Construction steel, NF metals, Cast materials, Stone, Plastics, Mineral-based materials, Solid materials, Pipe, Flat iron, Tin.

Performance class	SPECIAL	Applications	
Aggression	■■■■■■□	Stainless steel	●
Service life	■■■■■■□	Steel	●
Hardness	■■■■■■□		

Model #	Size (Inch)	Type	Pkg Qty.	A.C.T. No.	Special Price Ea.
187170	4-1/2 X 1/16 X 7/8	1	25	123605	2.20
235378	4-1/2 X 1/16X 7/8	27	25	251748	2.20
187171	5 X 1/16 X 7/8	1	25	191017	2.20
235379	5 X 1/16 X 7/8	27	25	222058	2.20
241472	6 X 1/16 X 7/8	1	25	191018	5.26
263882	6 X 1/16 X 7/8	27	25	271814	5.26
221161	7 X 1/16 X 7/8	1	25	202956	5.55
312257	7 X 1/16 X 7/8	27	25	267166	5.55
224084	9 X 5/64 X 7/8	1	25	224084*	7.30

**Manufacturer part number listed*

Klingspor Edge - Special Kronenflex® cut-off wheels for Stainless steel, Steel

- Short cutting times and long service life - Low burr formation - Low thermal load - 25 pieces delivered in the Kronenflex® box for long-lasting high performance and moisture protection
- Steel, Stainless steel, Construction steel, NF metals, Cast materials, Stone, Plastics, Mineral-based materials, Solid materials, Pipe, Flat iron, Tin.

Performance class	SPECIAL	Applications	
Aggression	■■■■■■□	Stainless steel	●
Service life	■■■■■■■	Steel	●
Hardness	■■■■■■■		

Model #	Size	Type	Pkg Qty.	A.C.T. No.	Special Price Ea.
317819	4-1/2 x 0.045 x 7/8	27	25	290750	3.68
317818	4-1/2 x 0.045 x 7/8	1	25	300187	3.68
317821	5 x 0.045 x 7/8	27	25	290751	4.28
317820	5 x 0.045 x 7/8	1	25	287604	4.28

End Brushes - 1/4" Stem Mounted

For use with portable power tools. Excellent for use in cleaning and finishing recessed areas or pipes. Knot-type wire end brushes provide aggressive cutting action.

Knotted Wire End Brush

Dia.	Wire Type	Wire Size	Trim Length	Max RPM	A.C.T. No.	Special Price $
1-1/8"	Steel	.0118	1.3/16"	22,000	161218	27.64
1-1/8"	Steel	.014	7/8"	22,000	161448	18.96
1-1/8"	Stainless	.014	7/8"	22,000	140393	37.30
1-1/8"	Steel	.020	7/8"	22,000	126222	18.64
1-1/8"	Stainless	.020	7/8"	22,000	234441	33.42

For use with portable power tools. Excellent for use in cleaning and finishing recessed areas or pipes. Circular flared brush for side cleaning action.

Crimped Wire End Brush

Dia.	Wire Type	Wire Size	Trim Length	Max RPM	A.C.T. No.	Special Price $
1/2"	Steel	.0104	7/8"	25,000	130226	8.98
1/2"	Stainless	.0104	7/8"	25,000	133374	10.99
1"	Steel	.0104	7/8"	22,000	190762	13.18
1"	Stainless	.0104	7/8"	22,000	111198	22.10

Specifically designed for increased durability when cleaning right angles, corners, fillet welds and other hard-to-reach areas.

Controlled Flare Wire End Brush

Dia.	Wire Type	Wire Size	Trim Length	Max RPM	A.C.T. No.	Special Price $
1"	Steel	.014	1"	22,000	254141	18.99
1"	Stainless	.014	1"	22,000	248279	32.50

Conflex Brushes - 1/4" Stem Mounted

Specially designed for cleaning a variety of dirt and grime. For light duty brushing action.

Dia.	Wire Type	Wire Size	Trim Length	Max RPM	A.C.T. No.	Special Price $
2"	Steel	.0118	1/2"	20,000	98724	16.16

Stringer Bead Wheel

Each knot is twisted through its own hole and locked into an individual sprocket. This prevents the knots from moving around the radius and allows them to have a stronger striking action on the work surface.

Dia.	Wire Type	Wire Size	Arbor Hole	Face Width	Trim Length	Max RPM	A.C.T. No.	Special Price $
5"	Steel	.020	5/8-11NC	3/16"	7/8"	12,500	129738	20.36
5"	Stainless	.020	5/8-11NC	3/16"	7/8"	12,500	136293	42.01
6"	Steel	.020	5/8-11NC	3/16"	1.1/8"	12,500	177601	30.46
6"	Stainless	.020	5/8-11NC	3/16"	1.1/8"	12,500	141311	58.99
6-1/2"	Steel	.023	5/8-11NC	1/2"	1.3/8"	12,500	127226	26.57
6-7/8"	Steel	.020	5/8-11NC	3/16"	1.1/8"	9,000	128879	28.68
6-7/8"	Stainless	.020	5/8-11NC	3/16"	1.1/8"	9,000	141123	58.57

Knot Cup Brushes - Steel

Excellent for cleaning prior to welding. Great for removing rust and paint.

Dia.	Wire Type	Wire Size	Arbor Hole	Trim Length	Max RPM	A.C.T. No.	Special Price $
5"	Steel	.023	5/8-11NC	1-3/8"	7,000	94844	60.02
6"	Steel	.023	5/8-11NC	1-3/8"	6,600	130230	76.41
6"	Stainless	.023	5/8-11NC	1-3/8"	6,600	157959	151.17

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Hand Wire Scratch Brushes

WEILER

Curved Handle (Small)
For removing oxides from stainless welds.

Curved Handle
For removing rust, scale, paint, solder, etc.

Shoe Handle
For cleaning threads, files, metal parts and castings.

Description	Wire Type	Wire Size	Block Size	Brush Length	No. of Rows	Trim Length	A.C.T. No.	Special Price $
Curved Handle (Small)	Stainless	.006	7.1/2" x 1/2"	1.3/8"	3 x 7	1/2"	87998	2.90
Curved Handle	Steel	.012	14" x 1.1/8"	6"	4 x 18	1"	130251	2.90
Curved Handle	Stainless	.012	14" x 1.1/8"	6"	4 x 18	1"	130250	5.73
Shoe Handle	Stainless	.012	10" x 1"	5"	4 x 16	1"	130249	4.74

Stringer Bead Wheel

PowerWeld QUALITY WELDING PRODUCTS

PowerWeld stringer bead wheel brushes provide aggressive cleaning and fast material removal. Suitable for root and hot pass welds. Narrow face for confined and hard to reach areas. 0.020 diameter Carbon Steel Wire.

Model No.	Description	A.C.T. No.	Special Price $
PWSB558	Stringer Bead Wheel Brush 5"	296198	11.36

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We not only stock and sell a great selection of quality power tool brands, we also service most major brands of industrial air and electric power tools and hoists.

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Jobber Drills - Fractional

DORMER

VIKING DRILL & TOOL

MADE IN USA

A012 – HSS Low thrust design self-centering Split Point for easier penetration. TiN Coated Tip increases surface hardness and improves tool life.

240-UB – 643-UB– Ultra Bor™ Super Premium. 135° Split Point, special Hi-Molybdenum tool steel. Drills are heat-treated and nitro-carburize finished to be measurably harder than high speed steel. Nitro-carburized steel withstands substantially higher drilling temperatures while maintaining sharpness. Recommended for use in work hardening grades of stainless steel and other hard metal drilling applications.

240-AQF – These heavy-duty 135° Split Point drills are the same as the 240-UB with three flats on the shank to give positive chuck grip (3/16" and larger). These drills are ideal for use with hand held drills and keyless chucks.

240 – This 118° point, H.S.S. drill performs well in a wide variety of ferrous metal drill applications. The black oxide surface treatment prevents chip welding and increases abrasion resistance.

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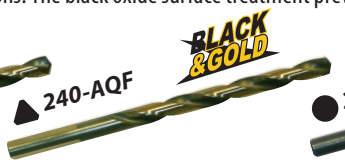


Size	Flute Length	O.A.L.	A012 A.C.T. No.	PKG QTY	Price $ per ea.	240-UB A.C.T. No.	PKG QTY	Price $ per ea.	240-AQF A.C.T. No.	PKG QTY	Price $ per ea.	240 A.C.T. No.	PKG QTY	Price $ per ea.
1/64	3/16	3/4	214275	10	2.67	–	–	-	–	–	-	205669	12	4.33
1/32	1/2	1.3/8	214276	10	1.86	–	–	-	–	–	-	205670	12	1.95
3/64	3/4	1.3/4	214277	10	1.86	–	–	-	–	–	-	205671	12	1.32
1/16	7/8	1.7/8	214278	10	1.62	206091	12	1.60	207441	12	1.30	205672	12	1.28
5/64	1	2	214279	10	1.62	206092	12	1.63	207442	12	1.35	205673	12	1.28
3/32	1.1/4	2.1/4	214280	10	1.72	206094	12	1.63	207443	12	1.38	205674	12	1.28
7/64	1.1/2	2.5/8	214281	10	1.83	206095	12	1.74	207444	12	1.48	205675	12	1.35
1/8	1.5/8	2.3/4	214282	10	1.83	206096	12	2.01	207445	12	1.68	205676	12	1.37
9/64	1.3/4	2.7/8	214283	10	2.00	206097	12	2.03	207446	12	1.79	205677	12	1.53
5/32	2	3.1/8	214284	10	2.03	206098	12	2.13	207447	12	1.89	205678	12	1.55
11/64	2.1/8	3.1/4	214285	10	2.12	206099	12	2.16	207452	12	1.95	205679	12	1.65
3/16	2.5/8	3.1/2	214286	10	2.43	206100	12	2.62	207453	12	2.69	205680	12	1.83
13/64	2.7/16	3.5/8	214287	10	2.72	206102	12	2.92	207454	12	2.97	205910	12	2.08
7/32	2.1/2	3.3/4	214288	10	3.01	206103	12	3.09	207455	12	3.03	205911	12	2.23
15/64	2.5/8	3.7/8	214289	10	3.25	206104	12	3.31	207456	12	3.27	205912	12	2.45
1/4	2.3/4	4	204642	10	3.47	206112	12	3.49	207457	12	3.56	205913	12	2.63
17/64	2.7/8	4.1/8	204643	10	4.16	206113	12	4.23	207458	12	4.29	205914	12	3.13
9/32	2.15/16	4.1/4	214290	10	4.32	206114	12	4.56	207459	12	4.55	205915	12	3.30
19/64	3.1/16	4.3/8	214291	10	4.99	206115	6	5.17	207460	6	5.13	205916	6	3.82
5/16	3.3/16	4.1/2	214292	10	5.55	206117	6	5.51	207461	6	5.44	205983	6	4.15
21/64	3.5/16	4.5/8	214293	10	6.13	206118	6	5.90	207462	6	5.77	205984	6	4.66
11/32	3.7/16	4.3/4	214294	10	6.82	206120	6	6.78	207463	6	6.78	205985	6	5.25
23/64	3.1/2	4.7/8	214295	10	7.70	206124	6	7.39	207464	6	7.22	205986	6	5.85
3/8	3.5/8	5	214296	10	7.92	206125	6	7.84	207465	6	7.86	205987	6	6.03
25/64	3.3/4	5.1/8	214297	10	8.99	206126	6	8.75	207466	6	8.54	205988	6	7.00
13/32	3.7/8	5.1/4	214298	5	9.26	206127	6	9.03	207467	6	9.03	205989	6	7.22
27/64	3.15/16	5.3/8	214299	5	10.27	206128	6	9.50	207468	6	9.45	205990	6	7.98
7/16	4.1/16	5.1/2	214300	5	10.65	206129	6	10.55	207469	6	10.55	205991	6	8.31
29/64	4.3/16	5.5/8	214302	5	11.90	206130	6	12.24	207470	6	11.65	205992	6	9.32
15/32	4.5/16	5.3/4	214304	5	12.68	206131	6	12.43	207471	6	12.39	205993	6	9.92
31/64	4.3/8	5.7/8	214306	5	13.33	206132	6	13.08	207472	6	12.75	205994	6	10.40
1/2	4.1/2	6	214307	5	13.51	206133	6	13.31	207473	6	13.13	205995	6	10.61

Jobber Drill Sets - Super Premium

VIKING DRILL & TOOL

Super Premium Heavy-Duty 135° Split Point, Black & Gold Jobber Length Sets. Gold Treatment for Maximum Lubricity and Torsional Strength..

643-UB

MADE IN USA

BLACK & GOLD

Metric

Model No.	Description	A.C.T. No.	Special Price $
58660	25pc Set, 1.0mm - 13.0mm x .5mm	221278	144.91

Jobber Drill Sets - Super Premium

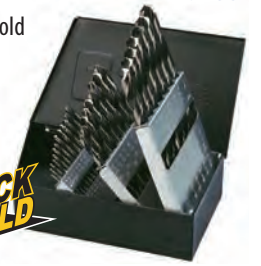
VIKING DRILL & TOOL

Super Premium Heavy-Duty 135° Split Point, Black & Gold Jobber Length Sets. Gold Treatment for Maximum Lubricity and Torsional Strength.

240-UB

MADE IN USA

BLACK & GOLD



Model No.	Description	A.C.T. No.	Special Price $
SP-29	29pc Set, 1/16"-1/2", 1/64" increments	220799	163.48

Online
www.ACTEquipment.com

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Edmonton
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Toll Free: 1 (800) 661-5979

Dormer TiN Tip #18 Drill Set

DORMER

TiN (Titanium Nitride) coating is applied to the working surfaces of the tool, reducing wear, lowering friction, and increasing performance. Improved web design enhances strength and rigidity. Ground wide flutes for improved chip removal. Special Dormer point increases ease of penetration and improves hole size. Suitable for use in all material groups.

HOT! PRICE! WHILE QUANTITIES LAST

Model No.	Description	Sizes	Pieces	Case	A.C.T. No.	Special Price $
A097 #18	A012 64 Bright & TiN Tip Jobber Length Drill Set	1/16" - 1/2"	29	Metal	196927	122.00

HSS Black & Gold Jobber

CLE-LINE

- 135° split point is self-centering, for reduced thrust and easier penetration
- Three flats on sizes above 11/64" for tighter chucking
- For general purpose drilling and maintenance applications

Model No.	Description	Size	Pieces	Finish	Case	A.C.T. No.	Special Price $
C18125	Heavy Duty Black & Gold Jobber Length Drill	1/16" - 1/2"	29	Black & Gold	Metal	299267	118.10

HSS Cobalt Jobber (M42)

CLE-LINE

- 135° split point for faster, easier drill penetration
- Designed to drill tough, high-tensile materials and work-hardening materials, high strength alloy steels, stainless steel, titanium, manganese steel, armor plate, & Inconel

Model No.	Description	Size	Pieces	Finish	Case	A.C.T. No.	Special Price $
C21121	Heavy Duty Cobalt Straw & Gold Oxide Jobber Length Drill	1/16" - 1/2"	29	Straw	Metal	299268	207.80

HSS Cobalt Jobber (M35)

CLE-LINE

- Designed to drill tough, high-tensile materials and work-hardening materials, high strength alloy steels, stainless steel, titanium, manganese steel, armor plate, & Inconel
- Hex shank on sizes above 11/64
- 118° split point for faster, easier drill penetration

Model No.	Description	Size	Pieces	Finish	Case	A.C.T. No.	Special Price $
C10629	Heavy Duty Cobalt Straw & Gold Oxide Jobber Length Drill	1/16" - 1/2"	29	Straw	Plastic Bit Barrel	328591	161.20

HSS Black & Gold Reduced Shank (Prentice)

CLE-LINE

- 118° split point
- 3 flats on 1/2" reduced shank

Model No.	Description	Size	Pieces	Finish	Case	A.C.T. No.	Special Price $
C21164	Reduced Shank Black & Gold Silver & Deming Drill	9/16" - 1"	9	Black & Gold	Plastic	299269	218.11

Premium Drill Sharpening Machines

Fast Drill Sharpener - 13mm and 30mm Capacity

Features

- Double-bearing grinding unit (reduces wear)
- Drill tightening design with bearing device
- Adjustable trimming angle

Accessories

- CBN Diamond wheel #200x1pc (for High Speed drill)
- 3mm and 4mm Hexagon (Hex.) wrench x 1 pc each

326-130

326-134

Model No.	Drill Dia.	Collet Series Range	Point	Power	Motor	RPM	Weight	A.C.T. No.	Special Price $
326-130	Ø2mm - Ø13mm	ER20 / 2.5mm-13mm (12pcs)	85°~140°	AC110/AC220 50/60Hz	90W	6,000	10 kg	251194	1448.06
326-134	Ø8mm - Ø30mm	ER40 / 12mm-26mm (15pcs)	85°~140°	AC110/AC220 50/60Hz	450W	4,000	25 kg	249508	3315.09

Morse Taper Shank Drills

510 – Regular Shank, Surface Treated. Taper shank drills are made to fit tapered holders. They are designed to perform well under a variety of normal conditions in a wide range of materials.

Great Selection! Great Savings!

VIKING DRILL & TOOL

MADE IN USA

Size (inch)	Shank MT	Flute Length (inch)	O.A.L. (inch)	A.C.T. No.	Special Price $
1/8	1	1.7/8	5.1/8	223461	22.97
9/64	1	2.1/8	5.3/8	223462	23.64
5/32	1	2.1/8	5.3/8	223463	22.97
11/64	1	2.1/2	5.3/4	223464	23.64
3/16	1	2.1/2	5.3/4	223465	15.99
13/64	1	2.3/4	6	223466	17.58
7/32	1	2.3/4	6	223467	17.07
15/64	1	2.7/8	6.1/8	223468	20.12
1/4	1	2.7/8	6.1/8	223469	17.74
17/64	1	3	6.1/4	223470	19.43
9/32	1	3	6.1/4	223471	18.85
19/64	1	3.1/8	6.3/8	223472	24.06
5/16	1	3.1/8	6.3/8	223473	19.02
21/64	1	3.1/4	6.1/2	214524	26.39
11/32	1	3.1/4	6.1/2	223474	27.89
23/64	1	3.1/2	6.3/4	223475	30.58
3/8	1	3.1/2	6.3/4	223476	29.68
25/64	1	3.5/8	7	223477	31.67
13/32	1	3.5/8	7	223478	29.68
27/64	1	3.7/8	7.1/4	223479	33.79
7/16	1	3.7/8	7.1/4	223480	27.37
29/64	1	4.1/8	7.1/2	223481	30.00
15/32	1	4.1/8	7.1/2	223482	31.39
31/64	2	4.3/8	8.1/4	223483	36.00
1/2	2	4.3/8	8.1/4	211722	34.04
33/64	2	4.5/8	8.1/2	211723	38.83
17/32	2	4.5/8	8.1/2	211724	38.03
35/64	2	4.7/8	8.3/4	211172	42.38
9/16	2	4.7/8	8.3/4	211725	41.48
37/64	2	4.7/8	8.3/4	211726	44.93
19/32	2	4.7/8	8.3/4	211174	44.20
39/64	2	4.7/8	8.3/4	211727	46.97
5/8	2	4.7/8	8.3/4	211728	45.37
41/64	2	5.1/8	9	211729	51.77
21/32	2	5.1/8	9	211730	50.10
43/64	2	5.3/8	9.1/4	211175	55.54
11/16	2	5.3/8	9.1/4	211731	52.68
45/64	2	5.5/8	9.1/2	211176	57.88
23/32	2	5.5/8	9.1/2	211177	55.90
47/64	2	5.7/8	9.3/4	211732	61.40
3/4	2	5.7/8	9.3/4	211733	61.40
49/64	2	6	9.7/8	211784	72.91
25/32	2	6	9.7/8	211785	71.24
51/64	3	6.1/8	10.3/4	211178	79.81
13/16	3	6.1/8	10.3/4	211788	74.99
53/64	3	6.1/8	10.3/4	211790	83.18
27/32	3	6.1/8	10.3/4	211791	80.55
55/64	3	6.1/8	10.3/4	211179	86.11
7/8	3	6.1/8	10.3/4	211792	83.18
57/64	3	6.1/8	10.3/4	211182	87.96
29/32	3	6.1/8	10.3/4	211794	89.98
59/64	3	6.1/8	10.3/4	211795	90.70

Size (inch)	Shank MT	Flute Length (inch)	O.A.L. (inch)	A.C.T. No.	Special Price $
15/16	3	6.1/8	10.3/4	211796	85.35
51/64	3	6.3/8	11	211183	93.53
31/32	3	6.3/8	11	211797	92.93
63/64	3	6.3/8	11	211184	99.33
1	3	6.3/8	11	211798	95.43
1.1/32	3	6.1/2	11.1/8	223484	105.81
1.3/64	3	6.5/8	11.1/4	223490	115.39
1.1/16	3	6.5/8	11.1/4	211185	109.99
1.3/32	4	6.7/8	12.1/2	223491	128.26
1.7/64	4	7.1/8	12.3/4	211187	138.44
1.1/8	4	7.1/8	12.3/4	211800	134.65
1.5/32	4	7.1/4	12.7/8	223492	139.59
1.11/64	4	7.3/8	13	223498	148.34
1.3/16	4	7.3/8	13	211188	146.72
1.7/32	4	7.1/2	13.1/8	223499	156.40
1.1/4	4	7.7/8	13.1/2	211812	165.08
1.9/32	4	8.1/2	14.1/8	223500	197.95
1.19/64	4	8.5/8	14.1/4	223501	212.54
1.5/16	4	8.5/8	14.1/4	211813	201.02
1.11/32	4	8.3/4	14.3/8	223502	212.54
1.3/8	4	8.7/8	14.1/2	211814	215.71
1.13/32	4	9	14.5/8	223503	230.87
1.27/64	4	9.1/8	14.3/4	223504	238.91
1.7/16	4	9.1/8	14.3/4	223505	233.25
1.15/32	4	9.1/4	14.7/8	223506	248.69
1.1/2	4	9.3/8	15	211815	250.39
1.17/32	5	9.3/8	16.3/8	223507	289.36
1.9/16	5	9.5/8	16.5/8	223508	302.87
1.19/32	5	9.7/8	16.7/8	223509	327.46
1.5/8	5	10	17	223510	334.71
1.21/32	5	10.1/8	17.1/8	223511	352.15
1.11/16	5	10.1/8	17.1/8	223512	360.94
1.23/32	5	10.1/8	17.1/8	223513	378.85
1.3/4	5	10.1/8	17.1/8	223514	386.56
1.25/32	5	10.1/8	17.1/8	223518	401.58
1.13/16	5	10.1/8	17.1/8	211193	411.97
1.27/32	5	10.1/8	17.1/8	223519	430.29
1.7/8	5	10.3/8	17.3/8	223520	431.13
1.29/32	5	10.3/8	17.3/8	223521	449.81
1.15/16	5	10.3/8	17.3/8	223522	463.85
1.31/32	5	10.3/8	17.3/8	211194	474.00
2	5	10.3/8	17.3/8	223523	477.81
2.1/8	5	10.1/4	17.3/8	223524	539.40
2.7/32	5	10.1/8	17.3/8	223525	606.33
2.1/4	5	10.1/8	17.3/8	223526	611.01
2.3/8	5	10.1/8	17.3/8	223527	677.79
2.1/2	5	11.1/4	18.3/4	223528	883.76

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Stub Length Drills Ultra Bor™ Super Premium

Special Hi-Molybdenum tool steel. Gold surface-treated body and clearance for maximum lubricity. Heavy duty construction, 135° split point, no center punch needed - will not walk. Recommended for work hardening grades of stainless steel and other hard metal drilling applications.

VIKING DRILL & TOOL

Great Selection! Great Savings!

MADE IN USA

260-UB

Size (inch)	O.A.L. (inch)	Flute Length (inch)	A.C.T. No.	Special Price $
1/16	1.5/8	5/8	206265	1.75
5/64	1.11/16	11/16	206266	1.75
3/32	1.3/4	3/4	206267	1.75
7/64	1.13/16	13/16	206268	1.75
1/8	1.7/8	7/8	206269	1.75
9/64	1.15/16	15/16	206270	1.77
5/32	2.1/16	1	206271	1.94
11/64	2.1/8	1.1/16	206272	2.16
3/16	2.3/16	1.1/8	206273	2.24
13/64	2.1/4	1.3/16	206274	2.39
7/32	2.3/8	1.1/4	206275	2.84
15/64	2.7/16	1.5/16	206276	2.85
1/4	2.1/2	1.3/8	206277	3.03
17/64	2.5/8	1.7/16	206278	3.54
9/32	2.11/16	1.1/2	206279	3.82
19/64	2.3/4	1.9/16	206280	4.06
5/16	2.13/16	1.5/8	206281	4.43
21/64	2.15/16	1.11/16	206282	4.81
11/32	3	1.11/16	206283	5.42
23/64	3.1/16	1.3/4	206284	6.30
3/8	3.1/8	1.13/16	206285	6.61
25/64	3.1/4	1.7/8	206286	7.43
13/32	3.5/16	1.15/16	206287	7.90
27/64	3.3/8	2	206288	8.55
7/16	3.7/16	2.1/16	206289	8.75
29/64	3.9/16	2.1/8	206290	10.37
15/32	3.5/8	2.1/8	206291	11.02
31/64	3.11/16	2.3/16	206292	11.35
1/2	3.3/4	2.1/4	206293	11.35

Jobber Drill Sets - Shank with 3 Flats

VIKING DRILL & TOOL

These heavy-duty 135° Split Point drills are the same as the 240-UB with three flats on the shank to give positive chuck grip, (3/16" and larger). These drills are ideal for use with hand held drills and keyless chucks.

Great Selection! Great Savings!

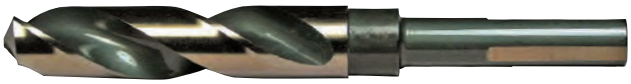
MADE IN USA

BLACK & GOLD

240-AQF

Model No.	Description	A.C.T. No.	Special Price $
AQF-13	13pc Set, 1/16"-1/4", 1/64" increments	220150	33.63
AQF-21	21pc Set, 1/16"-3/8", 1/64" increments	220151	82.30
AQF-29	29pc Set, 1/16"-1/2", 1/64" increments	220139	164.59

Prentice Drills (Reduced Shank) 1/2" Shank



CLE-LINE

1/2" diameter reduced shank with tri-flats. Self-centering, 118° split point reduces thrust requirements and minimizes "walking", particularly on curved surfaces. Steam and bronze oxide for abrasion resistance and improved lubricity.

1877 GOOD

VIKING DRILL & TOOL

MADE IN USA

Special Hi-Molybdenum tool steel provides superior toughness and wear resistance; will outperform cobalt drills on work hardening stainless steel applications. With 135° split point for faster penetration and accurate starting without a center punch.

280-UB BEST

Size (inch)	O.A.L.	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $
33/64	6	308827	22.43	211216	30.97
17/32	6	308823	22.54	210617	29.51
35/64	6	308828	23.29	210618	33.00
9/16	6	309592	23.42	207941	31.43
37/64	6	311161	25.24	207052	35.42
19/32	6	311162	25.36	207053	33.76
39/64	6	308829	26.42	207054	37.10
5/8	6	311163	26.42	211217	35.38
41/64	6	311164	27.25	207055	39.59
21/32	6	311165	27.38	207056	37.69
43/64	6	308824	28.78	210619	41.14
11/16	6	311166	28.78	211219	39.17
45/64	6	311167	29.94	211220	43.60
23/32	6	311168	29.94	210621	41.48
47/64	6	311169	31.53	210620	45.42
3/4	6	308826	31.53	207819	43.24
49/64	6	309591	32.95	211221	48.16
25/32	6	308825	33.49	207902	45.89
51/64	6	311174	33.97	207901	48.20
13/16	6	311175	34.61	211222	48.20
53/64	6	311176	36.11	207900	50.32
27/32	6	311177	36.11	207899	50.32
55/64	6	311178	36.90	207898	52.23
7/8	6	311179	37.08	211225	52.23
57/64	6	311180	39.14	211226	54.57
29/32	6	311181	39.68	211227	54.57
59/64	6	311182	40.63	211240	58.39
15/16	6	311183	41.36	211242	58.39
61/64	6	311184	43.34	211243	61.65
31/32	6	311185	44.32	211244	61.65
63/64	6	311186	45.63	211245	68.01
1	6	311187	45.85	211246	68.01
1.1/16	6	311188	64.36	211249	82.22
1.1/8	6	311189	69.24	211252	89.95
1.5/32	6	-	-	211253	93.69
1.3/16	6	311190	86.64	211254	95.77
1.1/4	6	311191	90.62	211256	105.50
1.5/16	6	311192	135.98	211257	147.58
1.3/8	6	311193	145.52	211258	150.04
1.7/16	6	311194	160.81	211259	167.61
1.1/2	6	311195	166.60	211261	171.79

Dormer Metric TiN Tip Drills

DORMER

Dormer A002 High Speed Steel Jobber Drill Bit, Uncoated (Bright) Finish with TiN Coated Tip, 118 Degree Split Point

TiN (Titanium Nitride) coating is applied to the working surfaces of the tool, reducing wear, lowering friction, and increasing performance. Improved web design enhances strength and rigity. Ground wide flutes for improved chip removal. Special Dormer point increases ease of penetration and improves hole size. Suitable for use in all material groups.

Low thrust design self-centering Split Point for easier penetration. TiN Coated Tip increases wear resistance and improves tool life.

Size (mm)	Std Pkg Qty	A.C.T. No.	Special Price $
1.0	10	214900	3.32
1.1	10	214925	3.73
1.2	10	214926	3.48
1.3	10	214931	3.32
1.4	10	214932	3.20
1.5	10	197888	2.84
1.6	10	211075	2.84
1.7	10	211076	2.84
1.8	10	197889	2.84
1.9	10	214933	2.84
2.0	10	214956	2.84
2.1	10	211077	2.84
2.2	10	215121	2.84
2.3	10	204061	3.07
2.4	10	215122	2.98
2.5	10	214815	2.98
2.6	10	215124	2.98
2.7	10	215125	2.98
2.8	10	215127	3.01
2.9	10	197890	3.01
3.0	10	215128	3.01
3.1	10	215131	3.01
3.2	10	215133	3.16
3.25	10	5967327*	3.95
3.3	10	215135	3.28
3.4	10	215163	4.08
3.5	10	215164	3.16
3.6	10	215165	4.16
3.7	10	215166	3.24
3.8	10	197891	4.23
3.9	10	215168	4.42
4.0	10	215169	3.63
4.1	10	215170	3.76
4.2	10	215171	3.87
4.3	10	215172	4.76
4.4	10	215173	4.97
4.5	10	214976	4.16
4.6	10	215174	5.37
4.7	10	215175	5.43
4.8	10	215176	5.43
4.9	10	204062	5.65
5.0	10	197279	4.44
5.1	10	197892	5.86
5.2	10	197893	6.09
5.3	10	215177	6.21
5.4	10	215180	6.53
5.5	10	197894	6.56
5.6	10	197895	6.70

Size (mm)	Std Pkg Qty	A.C.T. No.	Special Price $
5.7	10	204063	6.91
5.8	10	197896	7.02
5.9	10	204064	7.40
6.0	10	197899	6.21
6.1	10	215181	7.69
6.2	10	215182	7.87
6.3	10	215183	8.22
6.4	10	214957	8.48
6.5	10	215184	6.88
6.6	10	215185	8.89
6.7	10	215186	9.09
6.8	10	214816	7.69
6.9	10	215187	9.64
7.0	10	215188	7.60
7.1	10	215189	10.02
7.2	10	215190	10.49
7.3	10	215191	10.49
7.4	10	215193	11.01
7.5	10	197900	9.38
7.6	10	215194	11.42
7.7	10	215195	11.77
7.8	10	214817	12.18
7.9	10	215196	12.29
8.0	10	215197	10.63
8.1	10	215198	12.90
8.2	10	215199	13.20
8.3	10	215200	13.54
8.4	10	197897	13.98
8.5	10	214818	12.00
8.6	10	215201	14.59
8.7	10	215204	14.97
8.8	10	189861	15.58
8.9	10	215205	15.58
9.0	10	197898	14.27
9.1	10	215206	16.02
9.2	10	215207	16.40
9.3	10	215208	16.66
9.4	10	215209	17.21
9.5	10	215210	16.02
9.6	10	215211	17.91
9.7	10	215212	18.35
9.8	10	215213	19.17
9.9	10	215214	18.82
10.0	10	214819	18.67
10.1	5	214948	28.57
10.2	5	214977	29.18
10.3	5	214979	29.88
10.4	5	214980	30.75

Size (mm)	Std Pkg Qty	A.C.T. No.	Special Price $
10.5	5	214984	20.94
10.6	5	214985	31.92
10.7	5	214986	32.62
10.8	5	214987	33.20
10.9	5	214988	34.13
11.0	5	214820	23.18
11.1	5	214990	35.47
11.2	5	214991	36.17
11.3	5	214992	36.46
11.4	5	214993	37.34
11.5	5	214994	25.80
11.6	5	215032	39.43
11.7	5	215033	40.25
11.8	5	215034	40.89
11.9	5	215035	42.05
12.0	5	215036	28.37
12.1	5	204764	47.59
12.2	5	215037	48.87
12.3	5	215038	49.51
12.4	5	215039	50.50
12.5	5	214958	31.45
12.6	5	215040	52.77
12.7	5	214959	48.87
12.8	5	215041	54.57
12.9	5	215117	62.32
13.0	5	215118	34.48
13.1	5	266978	57.08
13.2	5	266979	58.83
13.25	5	5967350*	59.41
13.3	5	266980	59.99
13.4	5	266981	60.57
13.5	5	266982	57.08
13.6	5	266983	62.90
13.7	5	266984	64.65
13.75	5	5967364*	65.23
13.8	5	266985	65.23
13.9	5	337217	65.82
14.0	5	335477	54.28
14.25	5	5967376*	71.64
14.5	1	5967378*	74.55
14.75	1	5967380*	78.05
15.0	1	5967382*	65.23
15.25	1	5967386*	93.77
15.5	1	5967388*	89.69
15.75	1	237916	93.77
16.0	1	327310	77.46

**Manufacturer part number listed.*

Online
www.ACTEquipment.com
Surrey
Phone: (604) 294-6271
Toll Free: 1 (800) 667-1504
Edmonton
Phone: (780) 462-1777
Toll Free: 1 (800) 661-5979

Center Drills

Combined drills and countersinks have an included angle of 60° and a point angle of 118°.

Model No.	Pilot Dia. (inch)	Body Dia. (inch)	O.A.L. (inch)	A.C.T. No.	Special Price $
#1	3/64	1/8	1.1/4	223765	5.50
#2	5/64	3/16	1.7/8	223766	5.50
#3	7/64	1/4	2	223767	5.50
#4	1/8	5/16	2.1/8	223768	5.50
#5	3/16	7/16	2.3/4	223769	10.89
#6	7/32	1/2	3	223770	16.34
#7	1/4	5/8	3.1/4	223771	21.56
#8	5/16	3/4	3.1/2	223772	29.24

NC Spot Drills 90° & 120° Cobalt

HSCO, Short Length, Right-Hand Cut. Other lengths are available.

Dia. (inch)	Flute Length (inch)	O.A.L. (inch)	TiN Coated			
			90° Incl. Angle		120° Incl. Angle	
			A.C.T. No.	Special Price $	A.C.T. No.	Special Price $
1/4	7/8	2.5/8	210705	37.48	221184	37.48
3/8	1	3.1/2	210706	47.78	221185	47.78
1/2	1.3/8	4	210707	62.30	221186	62.30
5/8	1.3/8	4.1/2	221182	87.49	221187	87.49
3/4	1.5/8	5.1/8	207158	116.95	221188	116.81
1	1.3/4	5.1/2	221183	208.79	221189	208.56

Countersinks - Cobalt M35

Magafor premium HSS Cobalt M35 countersinks are available in 3 flutes or chatter-free style with hole. Multi-tool sets are also available, shown at bottom of each table.

3 Flute

Overall Dia. (mm)	Shank Dia. (mm)	Chamfer Range Min/Max (mm)	Overall Length (inch)	82° Incl. Angle		90° Incl. Angle	
				A.C.T. No.	Special Price $	A.C.T. No.	Special Price $
10.4	6	2.5-10.4	2	113606	37.13	59772	37.13
16.5	10	3.2-16.5	2.1/4	93278	54.20	106415	54.20
20.5	10	3.5-20.5	2.1/2	93477	60.83	201135	60.83
25.0	10	3.8-25	2.5/8	85723	74.22	201136	73.63
31.0	12	4.2-31	2.3/4	158373	110.36	125608	110.36
5 pc. Set Includes: 10.4mm / 16.5mm / 20.5mm / 25mm / 31mm				88991	336.69	94224	336.69

Chatter-free with Hole

Overall Dia. (mm)	Shank Dia. (mm)	Chamfer Range Min/Max (mm)	Overall Length (inch)	82° Incl. Angle		90° Incl. Angle	
				A.C.T. No.	Special Price $	A.C.T. No.	Special Price $
10.0	6	4.0-9.0	2	58151	23.76	71371	23.76
15.0	8	6.0-14.0	2.1/4	58152	32.33	92070	32.33
20.0	10	8.0-18.0	2.1/2	58153	56.70	102341	56.70
25.0	12	10.0-23.0	2.5/8	58154	85.44	82918	85.44
30.0	12	12.0-28.0	2.3/4	67277	113.07	133212	113.07
35.0	16	14.0-33.0	4	85899	137.94	175533	137.94
5 pc. Set Includes: 10mm / 15mm / 20mm / 25mm / 30mm				58169	262.02	162053	262.02

A.C.T. Inventory Management Systems AIMS BY A.C.T. ToolCrib

Inventory Management Made Simple

Keep track of who used what tool for what job with the click of a button.

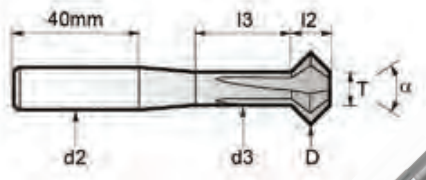
TOOLCRIB

Front and Back Chamfering Cutters
Standard 4-Flute Bi-Face 90° Angle - Series 8490

magafor

Bi-face:

Suitable for longitudinal or interpolated machining on front and back faces of holes and surfaces.



Hard-X:

With a high hardness this coating provides an excellent protection against heat and wear. Ideal for high speed dry machining in treated steels and dies.

BI-FACE ***Hard'X Up to 67HRC***

Diameter (inch)	Diameter (mm)	d2 (inch)	d3 Max. (inch)	T Max. (inch)	L Min. (inch)	12 (inch)	13 (inch)	A.C.T. No.	Special Price $
0.118	3	0.236	0.087	0.047	4	0.051	0.394	314222*	70.97
0.157	4	0.236	0.114	0.063	4	0.069	0.472	314225*	63.52
0.197	5	0.236	0.134	0.079	4	0.091	0.591	314228*	66.67
0.236	6	0.236	0.154	0.094	4	0.114	0.709	311025	69.86
0.315	8	0.236	0.193	0.193	4	0.118	1.339	308038	91.07
0.394	10	0.236	0.232	0.232	4	0.157	1.339	322288	111.14
0.472	12	0.236	0.232	0.232	4	0.236	1.339	310167	133.41
0.63	16	0.394	0.311	0.311	4	0.315	1.339	314243*	197.57

**Manufacturer part number listed.*

Indexable Comb Drill & Countersink Kit

KAR

Includes:

½" holder, 4 inserts and a Torx® key

- Secure insert pocket allows for quick and repeatable indexes
- Carbide inserts for extended tool life

Model No.	d Shank (Inch)	D (Inch)	L1 (Inch)	L (Inch)	Description	A.C.T. No.	Special Price $
530672	1/2	0.393	1-23/32	4	1/2" X 4"	297614	198.61

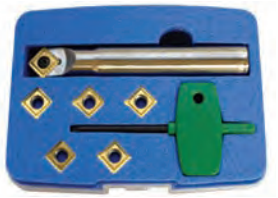
SCEG Indexable Spot Drill Kit

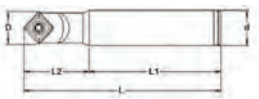
KAR

Includes:

5/8" x 4" holder, 6 carbide inserts and a Torx® key

- 1 combination tool that does 4 applications, giving extra efficiency and reduced cycle times
- For spotting, engraving, chamfering and grooving on CNC and conventional milling machines





Model No.	D (Inch)	d (Inch)	L1 (Inch)	L (Inch)	Description	A.C.T. No.	Special Price $
530656	0.551	0.625	2.75	4.00	CMN-14-5/8" X 4"	302584	195.00

Countersinks - 3 Flute Countersinks HSS - 82° & 90°

stm

High Speed Steel

Flute Dia. (in.)	Shank Dia. (in.)	Shank Length (in.)	Overall Length (in.)	82° HSS			90° HSS		
				Model No.	A.C.T. No.	Special Price $	Model No.	A.C.T. No.	Special Price $
1/4	3/16	3/4	1-1/2	120-804	173149	12.44	120-813	173154	12.44
3/8	1/4	7/8	1-3/4	120-805	173152	17.27	120-814	173155	17.27
1/2	3/8	1	2	120-806	163677	21.34	120-815	173156	21.34
5/8	3/8	1	2-1/4	120-807	176086	32.44	120-816	224208	32.44
3/4	1/2	1-1/4	2-5/8	120-808	175019	36.41	120-817	186580	36.41
1	1/2	1-1/4	2-3/4	120-809	188417	64.12	120-818	193083	64.12

Countersinks - Single Flute Countersinks HSS - 82º & 90º

High Speed Steel

The best style countersink for use in hand held applications. Radial relief generated in the first 90 degrees behind the cutting edge, ensures smooth, chatter-free cutting without overfeeding and makes the tool self-centering.

- Steam black oxide surface treatment enhances tool life and prevents galling
- 100% CNC manufactured to tighter than industry standard tolerances

Flute Dia. (in.)	Shank Dia. (in.)	Shank Length (in.)	Overall Length (in.)	82º HSS			90º HSS		
				Model No.	A.C.T. No.	Special Price $	Model No.	A.C.T. No.	Special Price $
3/16	3/16	3/4	1-1/2	120-753	190480	10.68	120-767	196268	10.68
1/4	1/4	3/4	2	120-754	190389	10.90	120-768	196269	10.90
5/16	1/4	1	2	120-755	245319	12.88	120-769	120-769*	12.88
3/8	1/4	1	2	120-756	245320	14.96	120-770	120-770*	14.96
1/2	1/4	1	2	120-757	179906	18.70	120-771	204631	18.70
5/8	3/8	1-1/8	2	120-758	223791	28.17	120-772	120-772*	28.17
5/8	1/2	1-1/8	2-3/4	120-759	186864	28.17	120-773	120-773*	28.17
3/4	3/8	1-5/16	2-3/4	120-760	164835	31.57	120-774	326449	31.57
3/4	1/2	1-5/16	2-3/4	120-761	207237	31.57	120-775	200877	31.57
7/8	1/2	1-5/16	2-3/4	120-762	179624	50.16	120-776	242721	50.16
1	1/2	1-5/16	2-3/4	120-763	170401	55.88	120-777	194704	55.88

**Manufacturer part number listed.*

Spotting Drills

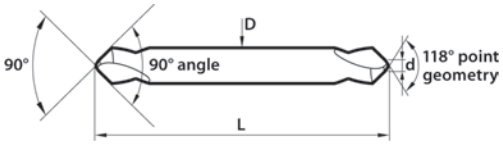
HSS-E Cobalt, 90º Angle, 118º Point Geometry, Double Ended

- 118° point geometry offers improved penetration rates while reinforcing the point
- RED-X coating provides increased speeds and feeds and allows machining up to 55 HRC
- Double ended for cost savings

HSS-E Cobalt with RED-X coating

Diameter	D	Length	Coating	A.C.T. No.	Special Price $
3/16"	1/16"	2"	RED-X	311204	18.55
1/4"	3/32"	2"	RED-X	311205	15.96
3/8"	9/64"	3"	RED-X	311206	28.66
1/2"	3/16"	4"	RED-X	311207	49.45
	SET (4-pieces above)			300363	93.86

**Manufacturer part number listed.*



CNC Spotting Drills

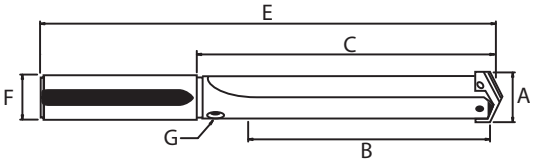
TiN Coated – 90° & 120° Angles – Standard Length

Body Diameter (Inch)	Decimal Equivalent (Inch)	Flute Length (Inch)	Overall Length (Inch)	Angle	90° Angle (Series 0895) TiN Coated		Special Price $	120° Angle (Series 0896) TiN Coated		Special Price $
					Model No.	A.C.T. No.		Model No.	A.C.T. No.	
1/4	0.250	7/8	2-5/8	90°	601034	210705	37.48	601043	221184	37.48
3/8	0.375	1	3-1/2	90°	601035	210706	47.78	601044	221185	47.78
1/2	0.500	1-3/8	4	90°	601036	210707	62.30	601045	221186	62.30
5/8	0.625	1-3/8	4-1/2	90°	601037	221182	87.49	601046	221187	87.49
3/4	0.750	1-5/8	5-1/8	90°	601038	207158	116.95	601047	221188	116.81
1	1.00	1-3/4	5-1/2	90°	601039	221183	208.79	601048	221189	208.56

T-A Drilling System - Standard Length Spade Drill Holders

ALLIED MACHINE & ENGINEERING CORP

T-A spade drills are a great alternative to costly HSS Morse Taper and reduced shank drills. One drill body does a range of diameters potentially reducing overall tooling cost and inventory. They also give you the option to select a drill body that is the correct length and style suitable for your application. With a wide range of spade blade substrates, coatings and geometries, you will have a cost effective tool for improve performance over traditional HSS drills



Holders - Straight Shank

Series	Model No.	Insert Range (A) (inch)	Depth Max (B) (inch)	Flute Length (C) (inch)	O.A.L. (E) (inch)	Shank Diameter (inch)	Pipe Thread (G)	A.C.T. No.	Special Price $
Y*	240Y0S-075L	3/8-27/64	2.3/8	3.5/32	5.17/32	3/4	1/8 NPT	184888	266.47
Z*	240Z0S-075L	7/16-1/2	2.3/8	3.5/32	5.17/32	3/4	1/8 NPT	184889	266.47
0*	24000S-075L	33/64-11/16	2.1/2	3.5/16	5.11/16	3/4	1/8 NPT	166950	266.47
1	24010S-075L	45/64-15/16	6.5/8	7.7/8	10.7/8	3/4	1/8 NPT	184890	291.05
1	24010S-100L	45/64-15/16	6.5/8	7.7/8	10.7/8	1	1/8 NPT	184891	291.05
2	24020S-100L	31/32-1.3/8	7.3/8	8.1/2	12	1	1/8 NPT	173383	314.33
2	24020S-125L	31/32-1.3/8	7.3/8	8.1/2	12	1.1/4	1/8 NPT	178118	314.33
3	24030S-125L	1.13/32-1.7/8	8.1/4	9.1/2	13.1/2	1.1/4	1/4 NPT	184892	350.55
3	24030S-150L	1.13/32-1.7/8	8.1/4	9.1/2	13.1/2	1.1/2	1/4 NPT	179962	373.83
4	24040S-150L	1.29/32-2.9/16	9.1/8	10.1/2	14.1/2	1.1/2	1/4 NPT	184893	442.39
4	24040S-175L	1.29/32-2.9/16	9.1/8	10.1/2	14.1/2	1.3/4	1/4 NPT	184894	474.73
5	24050S-200L	2.1/2-3.1/2	10.3/4	12.1/2	16.1/2	2	1/2 NPT	184895	664.87
7	24070S-300L	3.17/32-4.1/2	10.3/4	12.7/8	17.7/8	3	1/2 NPT	173819	983.08

Coolant-Thru shank only (will not accept Rotary Coolant Adaptor)

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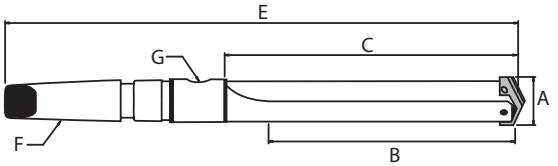
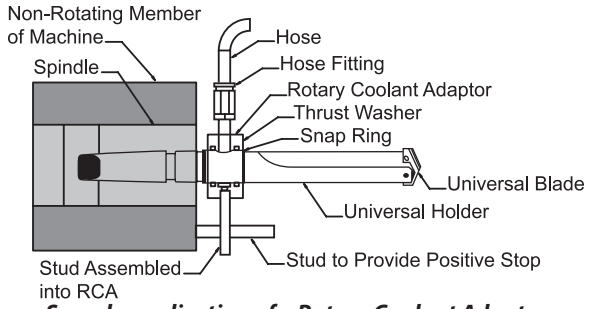


Holders - Morse Taper Shank

Series	Model No.	Insert Range (A) (inch)	Depth Max (B) (inch)	Flute Length (C) (inch)	O.A.L. (E) (inch)	Shank MT No. (F)	Pipe Thread (G)	A.C.T. No.	Special Price $
Y	240Y0S-002I	3/8-27/64	2.3/8	3.5/32	7.7/16	2	1/16 NPT	184885	266.47
Z	240Z0S-002I	7/16-1/2	2.3/8	3.5/32	7.7/16	2	1/16 NPT	178934	266.47
0	24000S-002I	33/64-11/16	2.1/2	3.5/16	7.19/32	2	1/16 NPT	173943	266.47
1	24010S-003I	45/64-15/16	6.3/4	7.7/8	13.5/32	3	1/8 NPT	164014	305.27
1	24010S-004I	45/64-15/16	6.3/4	7.7/8	14.5/32	4	1/8 NPT	185834	314.33
2	24020S-003I	31/32-1.3/8	7.3/8	8.1/2	13.25/32	3	1/8 NPT	165266	335.03
2	24020S-004I	31/32-1.3/8	7.3/8	8.1/2	14.25/32	4	1/8 NPT	164016	345.37
3	24030S-004I	1.13/32-1.7/8	8.1/4	9.1/2	16.1/16	4	1/4 NPT	164017	384.18
3	24030S-005I	1.13/32-1.7/8	8.1/4	9.1/2	17.5/16	5	1/4 NPT	177187	412.64
4	24040S-004I	1.29/32-2.9/16	9.1/8	10.1/2	17.1/16	4	1/4 NPT	164019	442.39
4	24040S-005I	1.29/32-2.9/16	9.1/8	10.1/2	18.5/16	5	1/4 NPT	170283	473.43
5	24050S-005I	2.1/2-3.1/2	10.3/4	12.1/2	20.15/16	5	1/2 NPT	164022	663.58
7	24070S-005I	3.17/32-4.1/2	10.3/4	12.7/8	21.5/16	5	1/2 NPT	185835	980.49

Rotary Coolant Adapters

ALLIED MACHINE & ENGINEERING CORP



Sample application of a Rotary Coolant Adapter

Model No.	I.D. (inch)	O.D. (inch)	Length (inch)	Driving Rod Thread	Pipe Thread	A.C.T. No.	Special Price $
2T-2SR	3/4	1.3/4	7/8	5/16-18NC	1/8 NPT	168606	72.05
2T-3SR	1	2.1/8	1.1/8	5/16-18NC	1/8 NPT	164029	79.68
2T-4SR	1.1/4	3.1/2	1.3/8	3/8-16NC	1/4 NPT	164030	96.37
2T-5SR	1.3/4	3	1.3/8	3/8-16NC	1/4 NPT	174332	110.34
2T-6SR	2.1/4	3.1/4	1.3/4	1/2-13NC	1/2 NPT	164031	133.24

Gen2 T-A Drilling System - AM200 Coated Drill Inserts

ALLIED MACHINE & ENGINEERING CORP

GEN2 T-A® drill inserts provide lower drilling forces, increased drill stability, smoother breakout on through-hole and allows for improved chip formation. These inserts feature Allied's exclusive AM200® coating for increased tool life.

Super Cobalt Inserts - 132° Point

Series	Model No.	Size	A.C.T. No.	Special Price $
Y 3/32" Thick	45YH-0012	3/8	233057	52.07
	45YH-0013	13/32	246014	52.07
Z 3/32" Thick	45ZH-0014	7/16	217781	52.07
	45ZH-0015	15/32	217783	52.07
	45ZH-0016	1/2	223094	52.07
0 1/8" Thick	450H-0017	17/32	211358	55.63
	450H-0018	9/16	225047	55.63
	450H-0019	19/32	217787	55.63
	450H-0020†	5/8	223095	55.63
	450H-0021†	21/32	221775	55.63
	450H-0022†	11/16	211353	55.63
1 5/32" Thick	451H-0023	23/32	217448	63.06
	451H-0024	3/4	219180	63.06
	451H-0025	25/32	211356	63.06
	451H-0026	13/16	211354	63.06
	451H-0027	27/32	229264	63.06
	451H-0028‡	7/8	215952	63.06
	451H-0029‡	29/32	223139	63.06
	451H-0030‡	15/16	221832	63.06
2 3/16" Thick	452H-0031	31/32	214778	72.44
	452H-0100	1	210096	72.44
	452H-0101	1.1/32	221776	72.44
	452H-0102	1.1/16	212102	72.44
	452H-0103	1.3/32	223738	72.44
	452H-0104	1.1/8	210097	72.44
	452H-0105	1.5/32	222502	72.44
	452H-0106§	1.3/16	216512	72.44
	452H-0107§	1.7/32	223853	72.44
	452H-0108§	1.1/4	218003	72.44
	452H-0109§	1.9/32	222974	72.44
	452H-0110§	1.5/16	212103	72.44
	452H-0111§	1.11/32	223665	72.44
	452H-0112§	1.3/8	221344	72.44
3 1/4" Thick	453H-0113	1.13/32	213806	77.62
	453H-0114	1.7/16	213809	77.62
	453H-0115	1.15/32	206225	77.62
	453H-0116	1.1/2	163974	77.62
	453H-0117	1.17/32	213811	77.62
	453H-0118	1.9/16	196943	77.62
	453H-0119	1.19/32	213812	77.62
	453H-0120	1.5/8	163980	77.62
	453H-0121	1.21/32	213813	77.62
	453H-0122	1.11/16	213814	77.62
	453H-0123	1.23/32	213815	77.62
	453H-0124	1.3/4	213557	77.62
	453H-0125	1.25/32	210044	77.62
	453H-0126	1.13/16	213817	77.62
	453H-0127	1.27/32	213832	77.62
	453H-0128	1.7/8	163992	77.62

†Diameters will also fit 0.5 series T-A® Holders.
‡Diameters will also fit 1.5 series T-A® Holders.
§Diameters will also fit 2.5 series T-A® Holders.
Please refer to the T-A® Holder section of the Allied T-A catalog.
**Manufacturer part number listed.*

Series	Model No.	Size	A.C.T. No.	Special Price $
4 5/16" Thick	454H-0129	1.29/32	213833	97.99
	454H-0130	1.15/16	213834	97.99
	454H-0131	1.31/32	163996	97.99
	454H-0200	2	163997	97.99
	454H-0201	2.1/32	213840	97.99
	454H-0202	2.1/16	213852	97.99
	454H-0203	2.3/32	213854	97.99
	454H-0204	2.1/8	213856	97.99
	454H-0205	2.5/32	213861	97.99
	454H-0206	2.3/16	213865	97.99
	454H-0207	2.7/32	213868	97.99
	454H-0208	2.1/4	164005	97.99
	454H-0209	2.9/32	213870	97.99
	454H-0210	2.5/16	213874	97.99
	454H-0211	2.11/32	213875	97.99
	454H-0212	2.3/8	213876	97.99
	454H-0213	2.13/32	213877	97.99
	454H-0214	2.7/16	213879	97.99
	454H-0215	2.15/32	213880	97.99
	454H-0216	2.1/2	164021	97.99
	454H-0217	2.17/32	213882	97.99
	454H-0218	2.9/16	164027	97.99
5 7/16" Thick	455H-0216	2.1/2	213883	133.56
	455H-0217	2.17/32	221822	133.56
	455H-0218	2.9/16	213886	133.56
	455H-0219	2.19/32	309649	133.56
	455H-0220	2.5/8	213887	133.56
	455H-0221	2.21/32	249219	133.56
	455H-0222	2.11/16	213888	133.56
	455H-0223	2.23/32	221823	133.56
	455H-0224	2.3/4	163955	133.56
	455H-0225	2.25/32	309650	133.56
	455H-0226	2.13/16	209124	133.56
	455H-0227	2.27/32	221824	133.56
	455H-0228	2.7/8	213891	133.56
	455H-0229	2.29/32	280191	133.56
	455H-0230	2.15/16	213892	133.56
	455H-0231	2.31/32	213699	133.56
	455H-0300	3	204133	133.56
6 7/16" Thick	456H-0301	3.1/32	456H-0301*	148.11
	456H-0302	3.1/16	213895	148.11
	456H-0303	3.3/32	456H-0303*	148.11
	456H-0304	3.1/8	213896	148.11
	456H-0305	3.5/32	456H-0305*	148.11
	456H-0306	3.3/16	213897	148.11
	456H-0307	3.7/32	221826	148.11
	456H-0308	3.1/4	213898	148.11
	456H-0309	3.9/32	456H-0309*	148.11
	456H-0310	3.5/16	213900	148.11
	456H-0311	3.11/32	254009	148.11
	456H-0312	3.3/8	213901	148.11
	456H-0313	3.13/32	456H-0313*	148.11
	456H-0314	3.7/16	213902	148.11
	456H-0315	3.15/32	221828	148.11
	456H-0316	3.1/2	209125	148.11

- Notch Point® Geometry improves stability, hole straightness and reduces thrust
- Web Thin reduces thrust and increases point strength allowing greater reliability
- Helical Margin increases drill stability
- Helical flute improves tool life
- Coated in Allied's proprietary AM200® coating
- Corner clip for effective heat dispersion helping to increase tool life

Also Available...

- **More sizes not shown**
- **Styles:**
  - Original T-A Style
  - Flat Bottom
  - 90° Spot & Chamfer
  - Structural Steel Inserts
- **Coatings:**
  - TiN
  - TiCN
  - TiAlN
  - AM200
- **Materals:**
  - H.S.S.
  - Cobalt
  - Carbide

Series	Model No.	Size	A.C.T. No.	Special Price $
7 7/16" Thick	457H-0317	3.17/32	457H-0317*	173.98
	457H-0318	3.9/16	213903	173.98
	457H-0319	3.19/32	457H-0319*	173.98
	457H-0320	3.5/8	213904	173.98
	457H-0321	3.21/32	457H-0321*	173.98
	457H-0322	3.11/16	213905	173.98
	457H-0323	3.23/32	457H-0323*	173.98
	457H-0324	3.3/4	208245	173.98
	457H-0325	3.25/32	457H-0325*	173.98
	457H-0326	3.13/16	213907	173.98
	457H-0327	3.27/32	457H-0327*	173.98
	457H-0328	3.7/8	213909	173.98
	457H-0329	3.29/32	457H-0329*	173.98
	457H-0330	3.15/16	213910	173.98
	457H-0331	3.31/32	457H-0331*	173.98
	457H-0400	4	213911	173.98
8 7/16" Thick	458H-0402	4.1/16	213912	195.97
	458H-104	4.3/32	301972	195.97
	458H-0404	4.1/8	213914	195.97
	458H-0406	4.3/16	213915	195.97
	458H-0408	4.1/4	213916	195.97
	458H-0410	4.5/16	213917	195.97
	458H-0412	4.3/8	213918	195.97
	458H-0414	4.7/16	213919	195.97
	458H-0416	4.1/2	213920	195.97

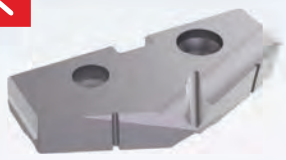
REDESIGNED INSERTS Ø 0.437" - 1.882" (11.1mm - 47.8mm)

P

STEELS

- Designed to provide increased penetration rates and tool life in steel applications
- Superior geometry and edge provides excellent chip control
- Allied's multi-layer AM300 coating increases heat resistance and improves tool life

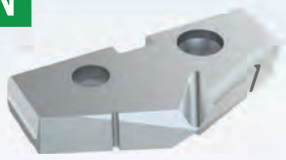
K



CAST IRONS

- Uniquely designed for cast/ nodular iron applications
- Geometry developed for maximum tool life, reduced exit burr, and improved hole finish
- Allied's multi-layer TIAlN coating provides increased abrasion resistance and tool life

N



NON-FERROUS

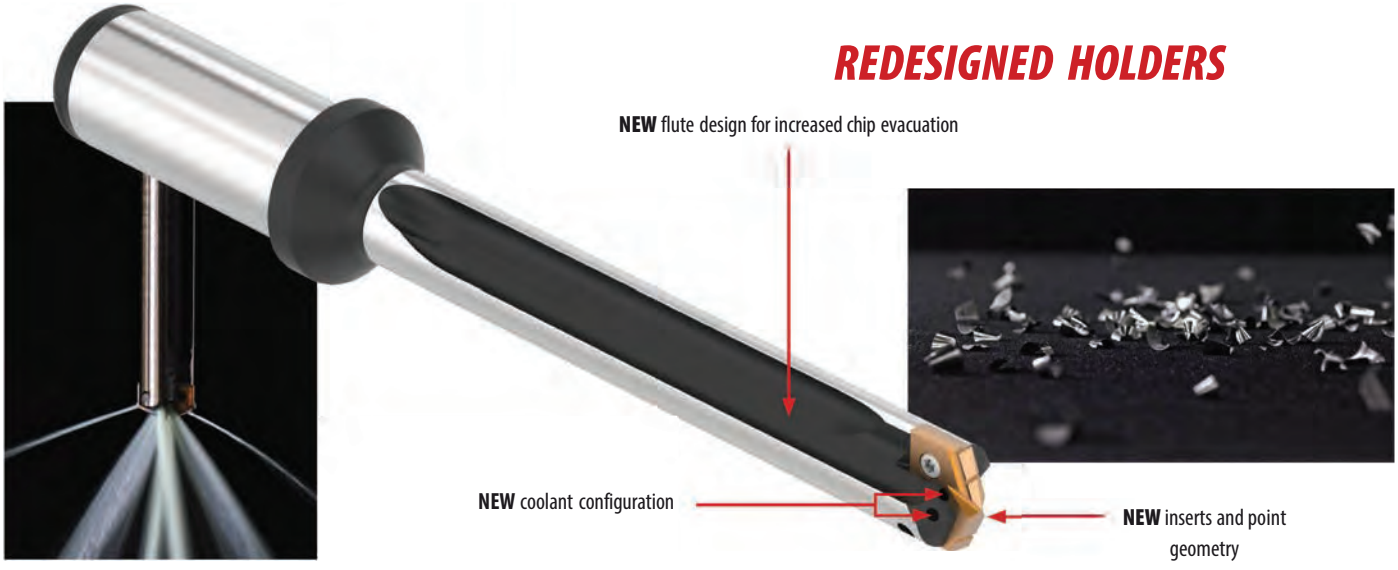
- Designed for application in aluminum, brass, and copper
- The geometry yields excellent chip control in these softer materials
- TICN coating gives the versatility to run in a variety of materials while reducing buildup

X

HIGH-SPEED STEEL

- Improved geometry for excellent chip control in all materials
- Long tool life and high-process security for the most challenging applications
- Allied's multi-layer AM200 coating combines excellent heat resistance and high lubricity for wide application use

REDESIGNED HOLDERS



Lengths from 1xD to 15xD

Stocked in 1xD, 3xD, SxD, lxD, 10xD, 12xD & 1SxD

Note: For optimal performance, T-A Pro inserts should be used with T-A Pro holders.

Contact Your Nearest A.C.T. Branch For Details

Online
www.ACTEquipment.com

Surrey
Phone: (604) 294-6271
Toll Free: 1 (800) 667-1504

Edmonton
Phone: (780) 462-1777
Toll Free: 1 (800) 661-5979

T-A *Pro*™ TEST RESULTS

Project Profile:	Competitive Testing in 4340 Steel
Tooling Solution:	T-A Pro™: Steel (P) Geometry with T-A Pro™ Holder

The Parameters:

- Hole Diameter = 0.5625" (14.30mm)
- Depth of Cut = 2" (50.80mm)
- Coolant = 300 PSI
- Speed = 2546 RPM
- Feed = 16.55 inch/min (420 mm/min)

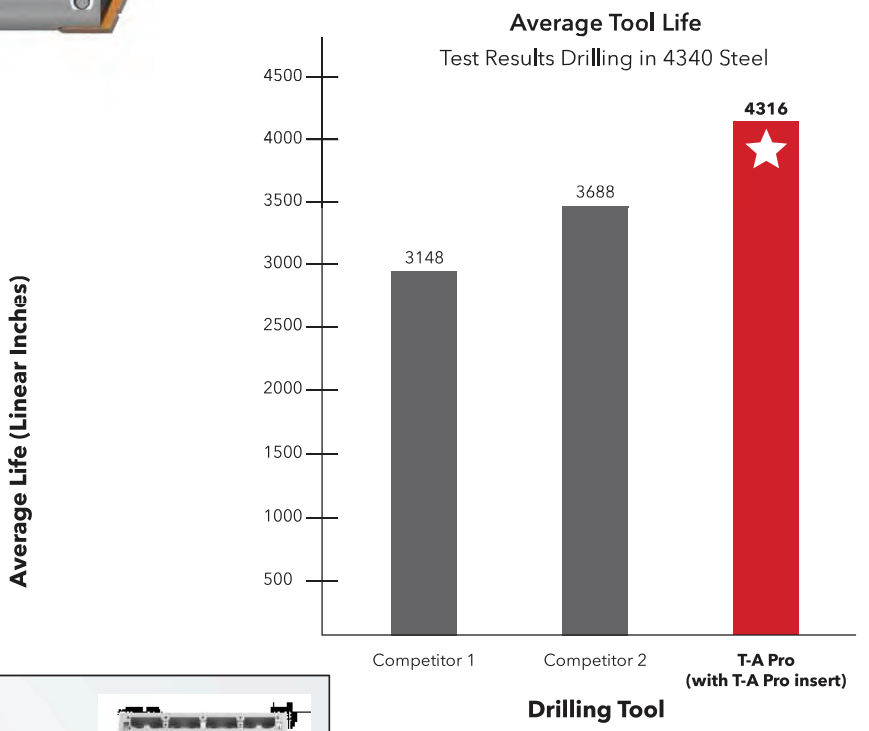
The Results:

When run at the listed parameters, here is how the 3 different tooling solutions performed:

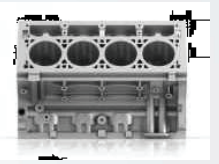
Competitor 1 = 3148 total linear inches

Competitor 2 = 3688 total linear inches

T-A Pro = **4316** total linear inches



Need a Solution with better tool life?



Our customer was machining engine block parts from ductile cast iron in a production cell. The replaceable tip drill they were using wasn't providing the results they needed, so they began searching for a tooling solution that would decrease machine downtime and increase productivity.

The customer tested the **T-A Pro™ High Penetration Replaceable Insert Drill** using the "K" (cast iron) geometry insert with Allied's multilayer TiAlN coating that provides increased abrasion resistance and tool life. The T-A Pro performed better than the customer had hoped.

Using the T-A Pro not only provided substantial tool life improvements, but it also improved the penetration rate. The previous tooling had a tool life of 1700 holes, but the T-A Pro increased that life to 3400 holes. The T-A Pro also increased penetration rates by 30%. This allowed the customer to increase their productivity.

The bottom line: Our customer was able to save $60k in tool savings per year with massive imporvements in throughput. The advantage of the T-A Pro allowed our customers to achieve their tooling goals.

- T-A Pro Drill holder
  15xD length
  Item No. HTA0C15-075C
- T- A Pro Drill inserts
  K geometry
  (cast iron)
  Item No. TAK0-16.00

increase tool life by 100%

The cast iron TiAlN coated T-A Pro insert provided:

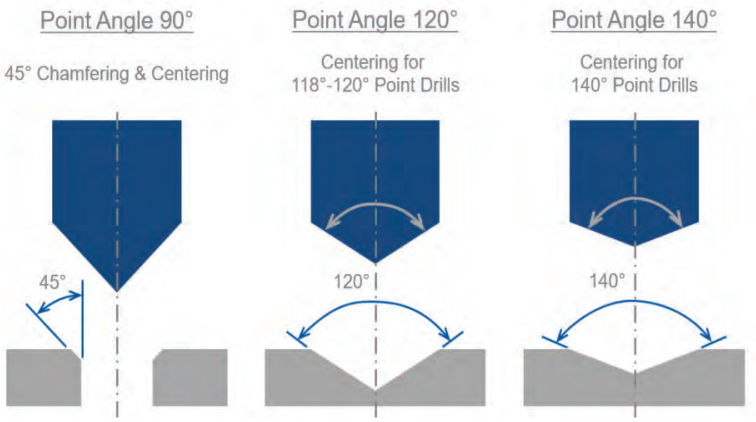
- ✓ Doubled tool life
- ✓ Decreased machine downtime
- ✓ Increased productivity
- ✓ 30% increased penetration rate
- ✓ Increased tool savings per year

Product: T-A Pro™
Objectives: (1) Decrease machine downtime
(2) Increase productivity
Industry: Automotive
Part: Engine block
Material: Ductile Cast Iron
Hole Ø: 0.6299" (16.00mm)
Hole Depth: 9.50" (241.00mm)

Measure	Competitor Replaceable Insert Drill	T-A Pro™ Drill
RPM	1819 RPM	**2092 RPM**
Speed	300 SFM (91 M/min)	**345 SFM (105 M/min)**
Feed Rate	0.008 IPR (0.20 mm/rev)	**0.0092 IPR (0.23 mm/rev)**
Penetration Rate	14.55 IPM	**19.25 IPM**
Cycle Time	39 seconds	**29 seconds**
Tool Life	1700 holes	**3400 holes**

A-Brand® AD-LDS is an Advanced Performance Carbide Spot Drill

EgiAs Coating helps supresses friction with the wear resistance layer and prevents breakage Unique Cutting Geometry For superior sharpness and high chipping resistance."



List 5190

Size (inch)	Inch	Point Angle (Degrees)	O.A.L. (mm)	Shank Dia "	A.C.T. No.	Special Price $
1/4	0.2500	90	75	1/4	329519	102.71
1/4	0.2500	120	75	1/4	519022517*	102.71
1/4	0.2500	140	75	1/4	328882	102.71
3/8	0.3750	90	93	3/8	334466	158.18
3/8	0.3750	120	93	3/8	330417	158.18
3/8	0.3750	140	93	3/8	519033817*	158.18

*Manufacturer part number listed.

Size (inch)	Inch	Point Angle (Degrees)	O.A.L. (mm)	Shank Dia "	A.C.T. No.	Special Price $
1/2	0.5000	90	111	1/2	519015017*	204.52
1/25	0.5000	120	111	1/2	330418	204.52
1/2	0.5000	140	111	1/2	519035017*	204.52
3/4	0.7500	90	132	3/4	519017517*	572.65
3/4	0.7500	120	132	3/4	519027517*	572.65
3/4	0.7500	140	132	3/4	519037517*	572.65

*Manufacturer part number listed.

HY-PRO CARB CNC Multi-Purpose Centering Drill and Chamfering Tool

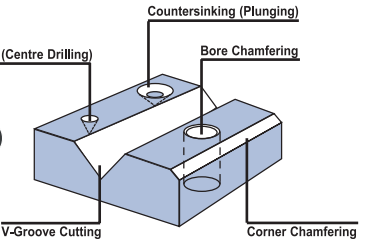
The OSG Hy-Pro Carb CNC Multi-purpose centering drill and chamfering tool utilizes a single indexable carbide insert to eliminate tool vibration. A special tool holding system assures high accuracy and time savings on replacement and re-indexing of carbide inserts.

Indexable tool for chamfering, center-drilling, countersinking and v-grooving

Holders

Point Angle	O.A.L.	Max. Dia.	Shank Dia.	A.C.T. No.	Special Price $
90°	4.1/2"	.5000	5/8"	113040	250.93
118°	4.1/2"	.6250	5/8"	114879	250.96

TiAlN Coated Insert for Steel! Great Performance & Value



Inserts

Carbide Insert Type	PKG QTY	A.C.T. No.	Price $ per ea.
NK1010 Inserts for Cast Iron & Aluminum	10	114880	28.25
NK2020 Inserts for Steel	10	113041	28.25
NK2020 TiAlN Coated Insert for Steel	10	196997	28.70

Phoenix PLDS

Indexable Centering and Chamfering Cutter

PHOENIX® PLDS is a versatile series of Indexable tools for spot drilling, countersinking & chamfering

- **Economical 3-corner cutting edges**
- Negative rake angle
- Coolant hole

List 52512 - PLDS body

Point Angle	Tool Dia. (inch)	Max. Dia. (inch)	O.A.L. (mm)	A.C.T. No.	Special Price $
90°	5/8	0.531	4.5	336570	241.35
90°	5/8	0.531	8.0	52512001*	377.06
120°	5/8	0.630	4.5	52512002*	241.35
120°	5/8	0.630	8.0	52512003*	377.06

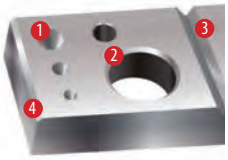
*Manufacturer part number listed.

List 78PLDS - PLDS Inserts

Insert Grade	Number of Edges	Pkg Qty	A.C.T. No.	Special Price $
XP9020	3	10	336571	23.25
XP2040	3	10	340854	23.25

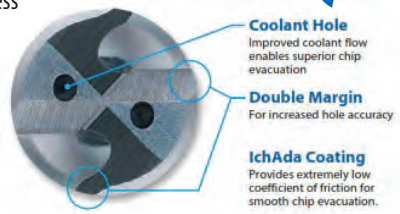
Insert Grade	Coolant	P	M	K	N	S	H
XP9020	Yes	●	○	●	○	○	○
XP2040	–	○	○				
	Yes	○	●		○	●	●

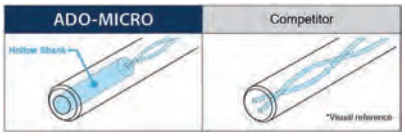
1. Centering
2. Hole Entry Countersinking
3. V Slotting
4. Corner Chamfering



A-Brand® ADO-MICRO Through Coolant Carbide Drills

The A Brand® ADO-MICRO series of Through Coolant Carbide Drills are ideal for applications in Carbon Steel, Alloy Steel, Stainless Steel, Cast Iron, Ductile Cast Iron, Aluminum Alloy, Titanium Alloy and Heat-Resistant Super Alloy.





List 6501 (2D)

Size (mm)	Tool Dia. (inch)	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (mm)	A.C.T. No.	Special Price $
0.70	0.0276	4.2	47	3	8732001*	103.88
0.75	0.0295	4.5	47	3	8732002*	103.88
0.80	0.0315	4.8	50	3	8732003*	103.88
0.85	0.0335	5.1	50	3	8732004*	103.88
0.90	0.0354	5.4	50	3	8732005*	103.88
0.95	0.0374	5.7	50	3	8732006*	103.88
1.00	0.0394	6.0	53	3	328853	92.76
1.10	0.0433	6.6	53	3	8732008*	92.76
1.20	0.0472	7.2	53	3	337596	92.76
1.30	0.0512	7.8	53	3	8732010*	92.76
1.40	0.0551	8.4	53	3	8732011*	92.76
1.50	0.0591	9.0	53	3	8732012*	92.76
1.60	0.0630	9.6	53	3	332384	92.76
1.70	0.0669	10.2	53	3	8732014*	92.76
1.80	0.0709	10.8	53	3	8732015*	92.76
1.90	0.0748	11.4	53	3	8732016*	92.76
2.00	0.0787	12.0	58	3	8732017*	92.76

*Manufacturer part number listed.

List 6505 (30D)

Size (mm)	Tool Dia. (inch)	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (mm)	A.C.T. No.	Special Price $
1.00	0.0394	34.0	77	3	328852	371.01
1.10	0.0433	37.4	86	3	8732058*	371.01
1.20	0.0472	40.8	86	3	8732059*	371.01
1.30	0.0512	44.2	86	3	8732060*	371.01
1.40	0.0551	47.6	95	3	8732061*	371.01
1.50	0.0591	51.0	95	3	8732062*	371.01
1.60	0.0630	54.4	101	3	8732063*	371.01
1.70	0.0669	57.8	101	3	8732064*	371.01
1.80	0.0709	61.2	107	3	8732065*	371.01
1.90	0.0748	64.6	107	3	8732066*	371.01
2.00	0.0787	68.0	112	3	8732067*	371.01

Manufacturer part number listed. Also available in 5D, 12D & 20D

A-Brand® ADO-TRS Three Flute Through Coolant Drills

The A-Brand

Available in Metric Sizes

List 6610 (5D)

Advanced Performance High Feed 3-Flute Carbide Drill. Patented geometry permits stable chip ejection, even with less chip pocket space inherent in 3-flute drills. The result is up to 3X faster than 2-flute drills and up to 3X longer life.

Size (inch)	Decimal (inch)	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (inch)	A.C.T. No.	Special Price $
1/8	0.1250	29	86	1/8	661012517*	157.92
3/16	0.1875	43	95	3/16	335740	207.24
7/32	0.2189	45	100	1/4	661021817*	219.49
1/4	0.2500	44	82	3/16	661025017*	226.05
9/32	0.2811	58	118	5/16	661028117*	272.98
5/16	0.3125	64	118	5/16	661031217*	288.67
11/32	0.3437	70	128	3/8	661034317*	331.51

*Manufacturer part number listed. **Also available in 3xD**

Size (inch)	Decimal (inch)	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (inch)	A.C.T. No.	Special Price $
3/8	0.3748	76	136	3/8	661037517*	379.43
13/32	0.4063	83	146	7/16	661040617*	407.52
7/16	0.4374	89	156	7/16	661043717*	436.23
1/2	0.5000	102	167	1/2	661050017*	503.29
9/16	0.5626	115	185	5/8	661056217*	551.52
5/8	0.6252	128	193	5/8	661062517*	607.85
3/4	0.7500	154	217	3/4	661075017*	994.76

*Manufacturer part number listed.

A-Brand® ADFO Through Coolant Flat Bottom Drills

List 5720 (3D)

Machining a flat hole traditionally required the use of an end mill and a drill. The A Brand® ADFO enables one-step drilling to simplify machining time and tool management. Suitable for a wide variety of drilling applications including inclined surfaces, curved surfaces, counterboring, eccentric holes, thin plates, etc.

Size (inch)	Decimal (inch)	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (inch)	A.C.T. No.	Special Price $
1/8	0.1250	15	55	1/8	332086	100.80
5/32	0.1563	19	60	3/16	327093	105.09
3/16	0.1875	24	65	3/16	327094	120.59
7/32	0.2188	27	65	1/4	572021817*	133.34
1/4	0.2500	30	70	1/4	318654	149.32
5/16	0.3125	34	75	5/16	572031217*	165.15
21/64	0.3281	38	80	3/8	572032817*	182.38

*Manufacturer part number listed.

Size (inch)	Decimal (inch)	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (inch)	A.C.T. No.	Special Price $
3/8		42	85	3/8	572037517*	203.89
13/32	0.4063	46	90	7/16	572040617*	229.74
7/16	0.4375	50	95	7/16	572043717*	252.71
1/2	0.5000	56	100	14mm	3334418*	351.64
9/16	0.5625	64	110	5/8	572056217*	427.23
5/8	0.6250	68	115	5/8	572062517*	598.32
3/4	0.7500	88	140	3/4	572075017*	771.09

*Manufacturer part number listed.

A-Brand® ADF Flat Bottom Drills

ADF now available in sizes down to Ø0.008"

List 5700 (2D)

Machining a flat hole traditionally required the use of an end mill and a drill. The A Brand® ADF enables one-step drilling to simplify machining time and tool management. Suitable for a wide variety of drilling applications including inclined surfaces, curved surfaces, counterboring, eccentric holes, thin plates, etc.

Size (inch)	Inch	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (inch)	A.C.T. No.	Special Price $
3/32	0.0937	11	50	4mm	314227	74.00
1/8	0.1250	15	55	1/8	306647	77.16
5/32	0.1563	19	60	3/16	312847	77.16
3/16	0.1875	24	65	3/16	306646	85.25
7/32	0.2188	27	65	1/4	313594	94.07
1/4	0.2500	30	70	1/4	306010	114.27
5/16	0.3125	34	75	5/16	306385	126.39

Size (inch)	Inch	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (inch)	A.C.T. No.	Special Price $
3/8	0.3750	42	85	3/8	305631	156.06
13/32	0.4063	46	90	7/16	322720	175.85
7/16	0.4375	50	95	7/16	306241	193.41
1/2	0.5000	56	100	12mm	306945	269.14
9/16	0.5625	64	110	5/8	306864	326.98
5/8	0.6250	68	115	5/8	306386	457.90
3/4	0.7500	88	140	3/4	309330	590.12

A-Brand® ADFLS Long Shank Flat Bottom Drills

List 5705 (2D)

Machining a flat hole traditionally required the use of an end mill and a drill. The A Brand® ADFLS enables one-step drilling to simplify machining time and tool management. Suitable for a wide variety of drilling applications including inclined surfaces, curved surfaces, counterboring, eccentric holes, thin plates, etc.

Size (inch)	Inch	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (inch)	A.C.T. No.	Special Price $
1/8	0.1250	15	100	1/8	570512517*	113.02
5/32	0.1563	19	100	3/16	570515617*	118.43
3/16	0.1875	24	100	3/16	570518717*	130.40
7/32	0.2188	27	110	1/4	570521817*	146.42
1/4	0.2500	30	120	1/4	333462	151.24
5/16	0.3125	34	130	5/16	570531217*	182.64
21/64	0.3281	38	140	3/8	570532817*	197.78

*Manufacturer part number listed.

Size (inch)	Inch	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (inch)	A.C.T. No.	Special Price $
3/8	0.3750	42	150	3/8	331303	230.87
13/32	0.4063	46	160	7/16	570540617*	255.11
7/16	0.4374	50	170	7/16	570543717*	277.26
1/2	0.5000	56	180	1/2	570550017*	365.25
9/16	0.5625	64	200	5/8	570556217*	439.47
5/8	0.6250	68	210	5/8	570562517*	687.71
3/4	0.7500	88	250	3/4	570575017*	1138.60

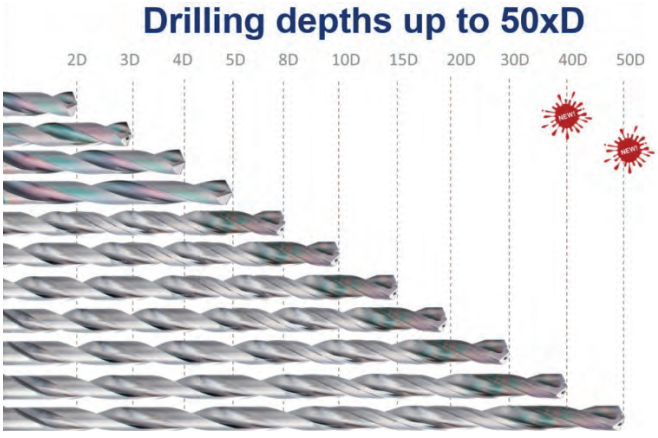
*Manufacturer part number listed.

A-Brand® ADO Through Coolant 5xD Drills

The A-Brand

Also Available in Metric

Also available in 3xD, 8xD, 10xD, 15xD, 20xD, 30xD, 40xD & 50xD



Wavy point form (3D, 5D & 8D) improves the sharpness of the cutting edge at various areas where the cutting force fluctuates with the cutting speed, thereby achieving low thrust, stable torque, and longer tool life. Our 8D, 10D, 15D, 20D & 30D have a Middle Margin Design that has improved stability during intermittent cutting such as cross-drilling or when penetrating an angled surface.

Size (inch)	Inch	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (inch)	A.C.T. No.	Special Price $
3/32	0.0937	22	70	3mm	651009312*	116.55
1/8	0.125	29	86	1/8	314029	120.63
5/32	0.1562	36	86	3/16	312775	121.91
3/16	0.1875	44	95	3/16	318997	127.99
7/32	0.2187	45	100	1/4	651021711*	143.08
1/4	0.2500	52	109	1/4	309100	143.08
5/16	0.3125	64	118	5/16	312104	188.19

*Manufacturer part number listed

Size (mm)	Inch	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (inch)	A.C.T. No.	Special Price $
3/8	0.3748	76	136	3/8	323223	247.35
13/32	0.4063	84	146	7/16	343446	265.66
7/16	0.4374	89	156	7/16	314537	284.38
1/2	0.5000	102	167	1/2	312715	328.10
9/16	0.5625	115	185	5/8	310354	359.53
5/8	0.6248	128	193	5/8	651062511*	396.24
3/4	0.7500	154	217	3/4	651075011*	648.48

*Manufacturer part number listed

A-Brand® AD Solid Carbide 4xD Drills (also available in 2xD)

High Performance Solid Carbide Drills for Ferrous and Non-Ferrous Materials. Superior point strength with low cutting force are achieved to accommodate a wide range of carbide drilling applications. EgiAs coating constructed with extreme toughness, high wear and heat resistance characteristics to ensure stable and consistent tool life.

Size (inch)	Inch	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (inch)	A.C.T. No.	Special Price $
2.4mm	0.0945	20	66	4mm	8672240*	65.56
1/8	0.1248	28	74	1/8	631012311*	75.05
5/32	0.1563	36	74	3/16	631015511*	77.78
3/16	0.1874	44	82	3/16	315727	81.02
7/32	0.2189	44	82	1/4	317641	85.78
1/4	0.2500	53	91	1/4	318244	94.15
5/16	0.3126	53	91	5/16	631031111*	115.48

*Manufacturer part number listed

Size (inch)	Inch	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (inch)	A.C.T. No.	Special Price $
3/8	0.3745	61	103	3/8	631037411*	156.11
13/32	0.4062	71	118	7/16	330124	177.12
7/16	0.4375	71	118	7/16	631043711*	195.00
1/2	0.5000	77	124	1/2	631050011*	251.95
9/16	0.5625	83	133	5/8	631056111*	298.52
5/8	0.625	83	133	5/8	631062311*	326.63
3/4	0.7500	101	153	3/4	631074911*	522.75

*Manufacturer part number listed

A-Brand® ADO-SUS Through Coolant 5xD Drills (Also available in 3xD - 8 x D)

OSG's A-Brand® ADO-SUS has specifically addressed many common issues that occur when machining titanium, stainless and gummy soft steels such as work hardening, chip control and welding on the tool. With a patent-pending cutting edge, new flute geometry, WXL® coating, thinner margins and the newly designed MEGA COOLER coolant hole, the ADO-SUS has a solution for you.

Size (inch)	Inch	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (inch)	A.C.T. No.	Special Price $
3/32	0.0937	22	70	3mm	317372	117.18
1/8	0.125	29	86	1/8	296389	117.98
5/32	0.1562	36	86	4mm	521015612*	114.95
3/16	0.1875	44	95	3/16	330458	125.16
7/32	0.2187	45	100	1/4	521021812*	134.83
1/4	0.25	52	109	1/4	295076	128.77
5/16	0.3125	64	118	5/16	297500	177.39

*Manufacturer part number listed

Size (mm)	Inch	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (inch)	A.C.T. No.	Special Price $
3/8	0.375	76	136	3/8	304882	232.12
13/32	0.4062	83	146	7/16	521040612*	251.57
7/16	0.4375	89	156	7/16	305166	268.14
1/2	0.5	102	167	1/2	325380	309.35
9/16	0.5625	115	185	5/8	308479	313.58
5/8	0.625	128	193	5/8	521062512*	375.64
3/4	0.75	134	205	3/4	521075012*	622.31

*Manufacturer part number listed

HIGH PERFORMANCE HIGH PERFORMANCE HIGH PERFORMANCE HIGH PERFORMANCE

Carbide Drills 5xD

The perfect blend of performance and cost efficiency

HY-PRO

Now upgraded to OSG's proprietary WD1® Nano Coating for greatly improved hardness and heat resistance, leading to better tool life than the original TiAlN coating, all for the same great price

Competitively Priced!

Performance Carbide Coolant Drills for a Variety of Materials & Applications

- ***Cast Aluminum, Cast Iron, Carbon Steels, Alloy Steel, Die Steel, Hardened Steel <45Rc for Stainless Steel, use HP255***
- ***Non-Through Coolant 3D & 5D 03/64"-03/4" Or 01mm-020mm***
- ***Through Coolant 3D, 5D & 8D 01/8"-03/4" Or 03mm-020mm***
- ***Metric DIN Shanks for all sizes***

List HP255 - Through Coolant Carbide 5xD Drills

Size (inch)	Inch	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (mm)	A.C.T. No.	Special Price $
1/8	0.1248	28	66	6	266892	56.98
5/32	0.1563	36	74	6	266893	57.36
11/64	0.172	36	74	6	266894	57.36
3/16	0.1874	44	82	6	266895	58.70
13/64	0.2031	44	82	6	266896	58.70
7/32	0.2189	44	82	6	266897	58.70
15/64	0.2343	44	82	6	266898	58.70
1/4	0.25	53	91	8	265244	76.55
17/64	0.2657	53	91	8	266899	76.55
9/32	0.2811	53	91	8	266900	81.30
19/64	0.2969	53	91	8	266901	81.30
5/16	0.3126	53	91	8	266231	81.30

Size (inch)	Inch	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (mm)	A.C.T. No.	Special Price $
21/64	0.328	61	103	10	266463	101.06
11/32	0.3437	61	103	10	266902	101.06
23/64	0.3594	61	103	10	266903	107.77
3/8	0.3748	61	103	10	266725	107.77
25/64	0.3906	61	103	10	266904	107.77
13/32	0.4063	71	118	12	266905	157.40
7/16	0.4374	71	118	12	266906	157.40
15/32	0.4689	71	118	12	266907	157.40
1/2	0.5	77	124	14	266908	205.19
9/16	0.5626	83	133	16	273987	258.33
5/8	0.6248	83	133	16	284369	267.98
3/4	0.75	101	153	20	HP255-7500*	458.82

*Manufacturer part number listed

List HP245 - Solid Carbide 5xD Drills

Size (inch)	Inch	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (mm)	A.C.T. No.	Special Price $
3/64	0.0469	11	38	3	HP245-0469*	27.04
1/16	0.0626	14	45	3	288443	26.23
5/64	0.0780	18	50	3	292080	26.23
3/32	0.0937	22	52	3	284095	25.63
1/8	0.1248	28	66	6	260885	35.98
5/32	0.1563	36	74	6	260886	35.98
11/64	0.1720	36	74	6	260887	37.69
3/16	0.1874	44	82	6	260339	42.75
13/64	0.2031	44	82	6	260121	42.64
7/32	0.2189	44	82	6	252003	43.06
15/64	0.2343	44	82	6	260888	45.07
1/4	0.2500	53	91	8	252002	55.75
17/64	0.2657	53	91	8	252855	73.19
9/32	0.2811	53	91	8	256676	75.85
5/16	0.3126	53	91	8	255315	75.85
21/64	0.3280	61	103	10	260890	92.81

Size (inch)	Inch	Flute Length (mm)	O.A.L. (mm)	Shank Dia. (mm)	A.C.T. No.	Special Price $
11/32	0.3437	61	103	10	260891	92.81
23/64	0.3594	61	103	10	260892	99.34
3/8	0.3748	61	103	10	252415	99.34
25/64	0.3906	61	103	10	253833	104.29
13/32	0.4063	71	118	12	255316	133.32
27/64	0.4220	71	118	12	260893	133.32
7/16	0.4374	71	118	12	260894	133.32
15/32	0.4689	71	118	12	260896	133.32
1/2	0.5000	77	124	14	260898	194.09
33/64	0.5157	77	124	14	260120	203.78
17/32	0.5311	77	124	14	260899	203.78
9/16	0.5626	83	133	16	260900	244.52
37/64	0.5780	83	133	16	260901	264.14
5/8	0.6248	83	133	16	260903	264.14
21/32	0.6563	93	143	18	260904	323.42
3/4	0.7500	101	153	20	260905	438.73

*Manufacturer part number listed

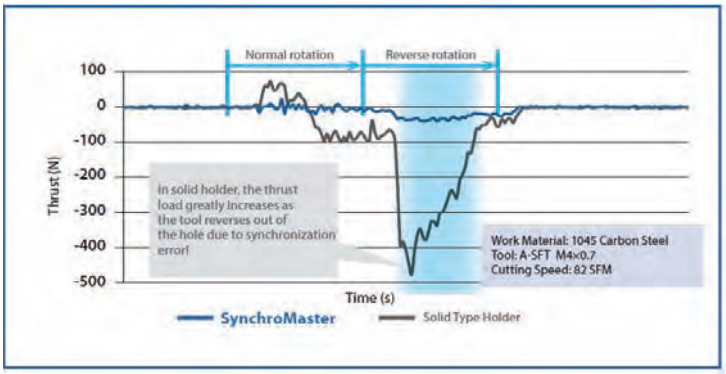
SynchroMaster

SYNCHROMASTER Tap Holder Synchronized Tap Holder Designed to Maximize Performance

A-Tap + SynchroMaster = Best Solution

Combined for Maximum Potential

SynchroMaster reduces axial and radial forces to enable the A-Tap series to reach their maximum potential.

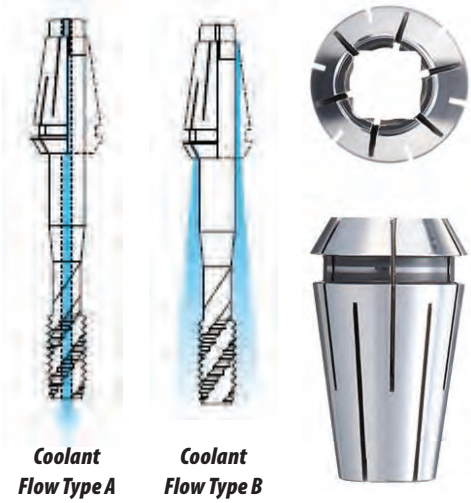


List 9950 - SynchroMaster Tap Holders

Spindle Connection	Gauge Length (mm)	Collet System	A.C.T. No.	Special Price $
CAT 40	90	ER16	79926*	563.32
CAT 40	120	ER32	99500001*	642.05
CAT 50	120	ER32	99500002*	801.27
HSK63A	90	ER16	79913*	704.14
HSK63A	108	ER32	79969*	802.57
20mm Straight Shank (ST)	68	ER16	79924*	536.48
25mm Straight Shank (ST)	68	ER16	79925*	536.48

List 9953 - SynchroMaster Collet, For ANSI Shank

Collet System	Tap Size (Inch)	Metric	Coolant Flow Type A	Coolant Flow Type B	A.C.T. No.	Special Price $
ER16	#8	M4	-	Yes	99530011*	199.91
ER16	#10	M5	-	Yes	99530012*	199.91
ER16	#12	-	-	Yes	99530013*	199.91
ER16	1/4	M6	Yes	-	79960*	145.08
ER16	5/16	M7/M8	Yes	-	79961*	145.08
ER32	1/4	M6	Yes	-	99530001*	149.93
ER32	5/16	M7/M8	Yes	-	99530002*	149.93
ER32	3/8	M10	Yes	-	99530003*	149.93
ER32	7/16	M11	Yes	-	99530004*	149.93
ER32	1/2	M12	Yes	-	99530005*	149.93
ER32	9/16	M14	Yes	-	99530006*	149.93
ER32	5/8	M16	Yes	-	99530007*	149.93
ER32	11/16	M18	Yes	-	99530008*	149.93
ER32	3/4	-	Yes	-	99530009*	149.93
ER32	13/16	M20	Yes	-	99530010*	149.93



Machine	Holder	Tap (example)	Recommendation
Machine with synchronous feed mechanism	SynchroMaster	A-TAP (A-SFT,A-POT,S-XPF)	◎
		General Purpose Tap	○
		Synchro Tap	–*

*Synchro Tap is recommended to be used in combination with a solid holder and machine with synchronous feed mechanism

○ good ◎ best

A-Brand® A-Tap®

The A Brand® A-Tap® is a premium tap series designed to excel in a wide range of materials (up to 35 HRC) including: Mild Steel, Alloy Steel, Tool Steel, Cast Iron, Stainless Steel, Aluminum. The Powdered Metallurgy HSS also allows for excellent tool life in all these materials. The spiral flute series (for Blind holes) has a market leading variable helix flute design, which encourages stable and controlled chip evacuation, leading to a wide range of materials along with increased parameters. If you have a challenging tapping application or are looking to increase productivity the OSG's ***A-Tap®*** is the answer.

Most UNC/UNF threads & Metric sizes available

Spiral Flute Offering

Tap Size	O.A.L.	Spiral Flute Description: Class of Fit 2B A.C.T. No.	Class of Fit 3B A.C.T. No.	Special Price $	Through Coolant Model No.	Special Price $
#4-40	DIN	282411		36.57	-	-
#6-32	DIN	282415	282416	29.92	-	-
#8-32	DIN	282418	282419	29.92	-	-
#10-24	DIN	282421		26.71	-	-
#10-32	DIN	282422	282423	30.63	-	-
1/4"-20	DIN	282426	282427	33.59	324618	55.22
1/4"-28	DIN	282428	282429	33.59	1654500208*	56.91
5/16"-18	DIN	282430	282431	37.33	311379	65.19
5/16"-24	DIN	282432	282433	37.33	1654500408*	67.03
3/8"-16	DIN	282434	282435	41.50	304550	70.96
3/8"-24	DIN	282436	282437	41.50	1654500608*	66.07
1/2"-13	DIN	282442	282443	60.29	308388	96.60
1/2"-20	DIN	282444	282445	60.29	304682	96.60
5/8"-11	DIN	282450	282451	114.63	311615	150.67
5/8"-18	DIN	282452	282453	114.63	1654501408*	150.67
3/4"-10	DIN	282454	282455	146.49	1654501508*	184.23
3/4"-16	DIN	282456	282457	153.81	1654501608*	196.77
7/8"-9	DIN	282458	282459	205.48	307548	266.49
7/8"-14	DIN	282460	282461	215.76	1654501808*	278.85
1"-8	DIN	282462	283827	254.90	309225	344.50
1"-14	DIN	313433	-	318.38	-	-
1-1/8"-8	DIN	303716	-	364.57	303214	437.48
1-1/4"-8	DIN	318953	-	421.32	303715	505.59
1-3/8"-8	DIN	313413	-	542.66	309226	651.20
1-1/2"-8	DIN	1650508108*	-	640.39	313244	768.46

Manufacturer part number listed. Other tap sizes and thread limit available from stock

Extended Length Spiral Flute Offering

Tap Size	O.A.L.	Spiral Flute Description: Extended Length Model No.	Special Price $
#4-40	3.15	1652505608*	86.84
#6-32	4.724	335289	68.46
#8-32	4.724	335914	62.18
#10-24	4.921	1652501108*	63.82
#10-32	5.906	331909	64.49
1/4"-20	5.906	324058	61.49
1/4"-28	5.906	317772	63.19
5/16"-18	5.906	323509	70.15
5/16"-24	5.906	334827	72.33
3/8"-16	5.906	308790	62.97
3/8"-24	5.906	1652502708*	65.21
1/2"-13	7.087	306493	102.88
1/2"-20	7.087	1652503508*	102.88
5/8"-11	7.087	313670	188.38
5/8"-18	7.087	316022	188.38
3/4"-10	7.874	305136	245.16
3/4"-16	7.874	1652504708*	252.96
7/8"-9	7.874	303807	317.02
7/8"-14	7.874	1652505108*	331.54
1"-8	7.874	328498	399.94
1"-14	-	-	-
1-1/8"-8	-	-	-
1-1/4"-8	-	-	-
1-3/8"-8	-	-	-
1-1/2"-8	-	-	-

A-PIPE TAPS

Tap Size	DIN OAL O.A.L.	DIN OAL A.C.T. No.	DIN OAL Special Price $	6" OAL O.A.L.	6" OAL A.C.T. No.	6" OAL Special Price $
1/16" - 27	3.543"	325605	68.84	6"	328077	86.05
1/8" - 27 (Sm. Shk)	3.543"	339215	87.88	6'	327609	109.85
1/8" - 27 (Lg. Shk)	3.543"	322030	87.88	6"	327813	109.85
1/4" - 18	3.937"	329603	128.88	6"	328411	161.11
3/8" - 18	3.937"	338973	176.45	6"	341518	220.56
1/2" - 14	4.921"	321142	278.44	6"	339739	348.05
3/4" - 14	5.511"	321143	475.97	6"	341518	466.46
1" - 11.1/2	6.299"	321144	585.82	6"	338496	574.10

The A BRAND® A-Pipe Tap is OSG's newest addition to the A Brand line up. With an expansive size offering, the new A Brand® A-Pipe Tap has enhanced cutting geometry with premium V Coating for extended tool life that performs exceptionally in a wide range of materials.

The A-Brand

The ***A-Brand®*** ***A-Tap®*** is a premium tap series designed to excel in a wide range of materials (up to 35 HRC) including: Mild Steel, Alloy Steel, Tool Steel, Cast Iron, Stainless Steel, Aluminum. The Powdered Metallurgy HSS also allows for excellent tool life in all these materials. The spiral flute series (for Blind holes) has a market leading variable helix flute design, which encourages stable and controlled chip evacuation, leading to a wider range of materials along with increased parameters. If you have a challenging tapping application or are looking to increase productivity,h the OSG's ***A-TAP®*** is the answer.

Spiral Point Offering

Tap Size	O.A.L.	Spiral Point Description: Class of Fit 2B A.C.T. No.	Class of Fit 3B A.C.T. No.	Special Price $	Through Coolant Model No.	Special Price $
#4-40	DIN	282522		27.44	-	-
#6-32	DIN	282526	282527	23.01	-	-
#8-32	DIN	282529	282530	23.01	-	-
#10-24	DIN	282532		23.47	-	-
#10-32	DIN	282533	282534	23.47	-	-
1/4"-20	DIN	282537	282538	30.40	324620	56.05
1/4"-28	DIN	282539	282540	30.40	1655500208*	57.69
5/16"-18	DIN	282541	282542	33.10	1655500308*	68.92
5/16"-24	DIN	282543	282544	33.10	1655500408*	70.75
3/8"-16	DIN	282545	282546	37.33	310334	75.05
3/8"-24	DIN	282547	282548	37.33	1655500608*	79.30
1/2"-13	DIN	282553	282554	56.07	310333	106.33
1/2"-20	DIN	282555	282556	56.07	1655501008*	114.07
5/8"-11	DIN	282561	282562	92.88	307614	144.52
5/8"-18	DIN	282563	282564	92.88	342638	144.51
3/4"-10	DIN	282565	282566	146.49	305379	200.24
3/4"-16	DIN	282567	282568	153.81	343649	215.61
7/8"-9	DIN	282569	282570	164.42	1655501708*	248.14
7/8"-14	DIN	282571	282572	172.64	1655501808*	252.41
1"-8	DIN	282573	283830	190.59	1655501908*	294.22
1"-14	DIN	306506	-	277.06	-	-
1-1/8"-8	DIN	-	-	-	-	-
1-1/4"-8	DIN	-	-	-	-	-
1-3/8"-8	DIN	-	-	-	-	-
1-1/2"-8	DIN	-	-	-	-	-

**Manufacturer part number listed. Other tap sizes and thread limits available from stock*

Extended Length
Spiral Point Offering

Tap Size	O.A.L.	Extended Length Model No.	Special Price $
#4-40	3.149	1653506008*	68.10
#6-32	4.724	337381	57.87
#8-32	4.724	1653501308*	50.96
#10-24	4.921	326660	50.96
#10-32	5.906	320760	59.26
1/4"-20	5.906	1653502108*	60.89
1/4"-28	5.906	1653502308*	62.58
5/16"-18	5.906	308955	72.49
5/16"-24	5.906	1653502708*	74.46
3/8"-16	5.906	313951	80.21
3/8"-24	5.906	325894	82.48
1/2"-13	7.087	307556	108.92
1/2"-20	7.087	339134	118.07
5/8"-11	7.087	305802	165.68
5/8"-18	7.087	315874	170.92
3/4"-10	7.874	309882	222.37
3/4"-16	7.874	1653505108*	229.49
7/8"-9	7.874	1653505308*	275.93
7/8"-14	7.874	1653505508*	285.98
1"-8	7.874	327906	299.07
1"-14	-	-	-
1-1/8"-8	-	-	-
1-1/4"-8	-	-	-
1-3/8"-8	-	-	-
1-1/2"-8	-	-	-

Most UNC/UNF threads & Metric sizes available

XPF Tap Size	Thread/ Inch	Form Taps A.C.T. No.	Special Price $	Through Coolant A.C.T. No.	Special Price $	Extended Length O.A.L.	A.C.T. No.	Special Price $
#2	56	280063	58.42	N/A	-	N/A	N/A	-
#4	40	269661	53.70	N/A	-	N/A	N/A	-
#8	32	271286	54.58	N/A	-	4.72"	310602	98.54
#10	24	270197	55.98	N/A	-	5.90"	1625510426*	104.81
1/4″	20	270199	58.88	263735	72.02	5.90"	1625514026*	110.88
3/8″	16	266701	95.04	259945	116.27	5.90"	1625538627*	142.45
1/2:	13	270201	130.73	263736	162.33	7.08"	1625512328*	221.87
5/8″	11	270203	209.94	267542	258.66	7.08"	1625558257*	357.64
3/4″	10	269073	256.21	269071	315.63	8.66"	1625534027*	471.26
7/8″	9	332366	296.60	314261	365.37	8.66"	316494	685.19
1″	8	303604	400.37	261461	493.28	8.66"	1625518258*	713.69
1-1/8″	8	1625011888*	461.02	1605011888*	562.37	N/A	N/A	-
1-1/4″	8	1625012588*	529.34	1605012588*	645.74	N/A	N/A	-
1-3/8″	8	1625013788*	825.68	1605013788*	1007.13	N/A	N/A	-
1-3/4″	8	1625017588*	1116.26	1605017588*	1361.57	N/A	N/A	-

Other tap sizes and thread limits available from

XPF Form Taps

OSG EXOPRO® -S-XPF and OIL-S-XPF Tap Series, the ideal products for customers seeking superior machining stability and long tool life in a wide range of materials, up to 40 HRC.

Most UNC/UNF threads & Metric sizes available

List 16250

EXOPRO®

Taps are all DIN O.A.L. , or extended length.

A-Brand® AT-1 Advanced Performance One Pass Thread Mill

The A-Brand

Also available in Metric

The A Brand® AT-1 threadmill is designed with a left-hand helix for a small pitch diameter difference between the hole entry and the bottom of the hole, allowing a delay in gauge-out failure. Longer tool life can be achieved with elimination of "zero cutting" or correcting bending.

List 16625 AT-1 UN Thread Mill

Size (inch)	TPI	Flute Length (mm)	O.A.L. (Inch)	Shank Dia. (Inch)	A.C.T. No.	Special Price $
1/4	20	0.600	3	1/4	329337	176.41
1/4	28	0.607	3	1/4	334930	176.41
5/16	18	0.778	3	1/4	1662500317*	176.41
5/16	24	0.740	3	1/4	327377	176.41
3/8	16	0.875	3-1/2	5/16	318957	166.01
3/8	24	0.875	3-1/2	5/16	319082	166.01
7/16	14	1.071	3-1/2	5/16	1662500917*	166.01
7/16	20	1.000	3-1/2	5/16	1662501017*	166.01
1/2	13	1.154	3-1/2	3/8	318956	156.72
1/2	20	1.100	3-1/2	3/8	342164	156.72
9/16	12	1.333	5	1/2	332160	223.89
9/16	18	1.278	5	1/2	1662501617*	223.89
5/8	11	1.454	5	1/2	325346	331.02
5/8	18	1.389	5	1/2	320978	331.02
3/4	10	1.700	5	1/2	320463	331.02
3/4	16	1.626	5	1/2	321788	331.02
7/8	9	2.000	5-1/2	5/8	1662502417*	512.07
7/8	14	1.928	5-1/2	5/8	1662502517*	512.07
1	8	2.250	6	3/4	342137	645.78
1	12	2.167	6	3/4	326875	645.78

*Manufacturer part number listed.

List 16630 AT-1 NPT Thread Mill

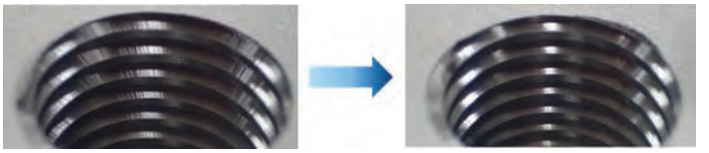
Size (inch)	TPI	Flute Length (mm)	O.A.L. (Inch)	Shank Dia. (inch)	A.C.T. No.	Special Price $
1/16	27	0.407	3	1/4	328200	151.16
1/8	27	0.407	3-1/2	5/16	336334	159.96
1/4	18	0.611	3-1/2	1/2	334461	260.70
3/8	18	0.611	3-1/2	1/2	1663000317*	260.70
1/2	14	0.786	4	5/8	343601	455.14
1	11-1/2	0.957	4	3/4	1663000517*	473.57

*Manufacturer part number listed.

1-Pass Cutting

Left Hand Helix Reduces Deflection for 1-Pass Cutting

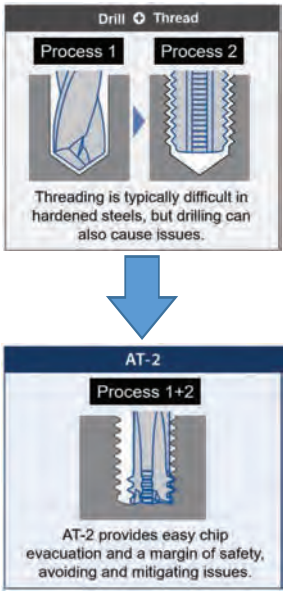
The AT-1 is designed with a left hand helix and starts cutting from the shank side, reducing deflection, preventing bending, thus allowing for 1-pass cutting and reducing overall cutting time.

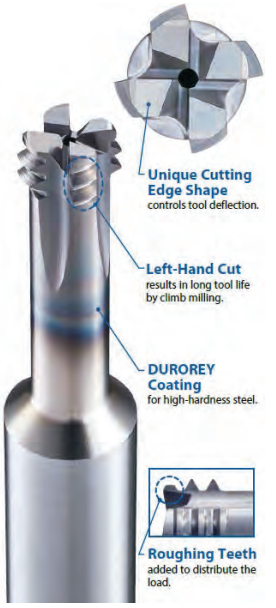


A-Brand® AT-2 Advanced Performance End-Cutting Thread Mill for High-Hardness Steels

No Pre Drilled Poilot Hole Needed

A Brand AT-2 Thread mills with end-cutting edge for high hardness steels is ideal for highly difficult high hardness steel applications. The risk of sudden tool breakage can be minimized by breaking chips into small and manageable pieces and evacuating them smoothly. Since no pilot hole is required, process integration and the risk of breakage can be avoided.





List 16640 AT-2 UN Thread Mill

Size (inch)	TPI	Thread Depth (Inch)	O.A.L. (Inch)	Shank Dia. (inch)	A.C.T. No.	Special Price $
#8	32	0.328	2.000	1/4	333763	174.48
#10	24	0.380	3.000	1/4	1664500111*	192.20
1/4	20	0.500	3.000	1/4	1664500211*	193.42
1/4	28	0.500	3.000	1/4	1664500311*	192.17
5/16	18	0.625	3.500	3/8	1664500411*	299.63
5/16	24	0.625	3.500	3/8	1664500511*	299.63
3/8	16	0.750	3.500	3/8	1664500611*	305.95
3/8	24	0.750	3.500	3/8	1664500711*	305.95
1/2	13	1.000	3.500	3/8	336302	314.81
1/2	20	1.000	3.500	3/8	335946	314.81

HY-PRO Pipe Tap - List 12053

Feature	Benefit
HSSE Material	Increased Wear Resistance
Eccentric Relief	Reduced Cutting Torque and Heat Generation
Slow Spiral	Efficient Chip Evacuation
Interrupted Thread	Reduced Cutting Torque
TiCN Coating	Increased Surface Hardness and Wear Resistance

High Performance Pipe Taps for All Applications

Carbon Steel, Die Steel, Stainless Steel, Alloy Steel, Hardened Steel <35Rc

HY-PRO Pipe Tap

Model No.	Tap Size	Threads Per Inch	No. of Flutes	A.C.T. No.	Special Price $
1205300108	1/8" (Sm. Shk.)	27	3	228106	89.42
1205300208	1/8" (Lg. Shk.)	27	3	227379	89.42
1205300308	1/4"	18	3	223786	97.91
1205300408	3/8"	18	4	228107	120.11
1205300508	1/2"	14	5	226669	153.00
1205300608	3/4"	14	5	228108	215.84
1205300708	1"	11.5	5	228109	371.14

Extended Length (1/2" & 3/4" also available in Extended Length)

Model No.	Tap Size	Threads Per Inch	O.A.L.	A.C.T. No.	Special Price $
0215M130	1/16"	27	3.54"	266495	77.70
0215M137	1/16"	27	6"	273213	92.18
0215M131	1/8"	27	3.94"	247485	77.70
0215M138	1/8"	27	6"	265961	99.85
0215M132	1/4"	18	3.94"	262704	77.70
0215M139	1/4"	18	6"	266238	25.35
0215M141	3/8"	18	4"	288605	93.95
0215M144	3/8"	18	6"	284634	116.05

Spiral Point & Spiral Flute Taps

HY-PRO 7 - List 288 & 298 - taps have OSG's newest design for tapping aluminum, mild steel and medium carbon steels. Spiral flute taps are recommended for blind-hole applications. ***HY-PRO 7 is the industry's most cost effective general purpose tap.*** Steam Oxide shown. Bright Finish for aluminum also available.

HY-PRO HSSE-V3 - List 280 & 290 - performance taps are designed for tapping hardened steels such as 4140, 4340, H13, D2 and 1055 up to HRC 35 as well as a variety of stainless steels. Spiral flute taps are recommended for blind-hole applications. OSG's unique geometry along with premium 3% vanadium material provides exceptional tool life with unequalled consistency.

Spiral Point
For through-hole applications

Spiral Flute
For bottoming (blind-hole) applications

			HY-PRO 7				HSSE-V3			
Tap Size	T.P.I.		Spiral Point List 288		Spiral Flute List 298		Spiral Point List 280		Spiral Flute List 290	
	NC	NF	A.C.T. No.	Price $	A.C.T. No.	Price $	A.C.T. No.	Price $	A.C.T. No.	Price $
4	40	-	104780	8.65	104777	15.07	107380	15.95	127539	23.89
6	32	-	104781	7.25	104778	12.33	107379	13.27	127542	19.40
8	32	-	104783	7.25	103441	12.23	107378	13.27	127543	19.40
10	24	-	104784	7.25	103442	12.23	107377	13.27	127544	19.40
10	-	32	104785	7.25	104925	12.23	107376	13.27	125306	19.40
1/4	20	-	104787	7.25	103443	13.29	107375	14.67	106726	21.07
1/4	-	28	104842	7.25	104926	13.29	107374	14.67	127545	21.07
5/16	18	-	104788	7.83	103444	16.34	107373	16.49	115391	25.89
5/16	-	24	104843	7.83	104927	16.34	107372	16.49	115354	25.89
3/8	16	-	104789	9.32	103445	18.98	107371	18.62	116796	30.09
3/8	-	24	104844	10.00	104929	18.98	107370	18.62	124587	30.09
7/16	14	-	104845	15.88	104930	28.34	107369	24.19	127546	44.95
7/16	-	20	104846	15.88	104931	28.34	107368	24.19	115355	44.95
1/2	13	-	104790	18.88	103446	33.41	107367	27.93	117938	52.98
1/2	-	20	104847	18.88	107499	33.41	107366	27.93	118336	52.98
5/8	11	-	-	-	-	-	105971	50.71	109701	93.30
5/8	-	18	-	-	-	-	107365	50.71	108557	93.30
3/4	10	-	-	-	-	-	105972	79.55	106731	120.01
3/4	-	16	-	-	-	-	107322	79.55	105520	120.01
7/8	9	-	-	-	-	-	127333	113.82	127547	174.73
7/8	-	14	-	-	-	-	127334	124.27	127549	174.73
1	8	-	-	-	-	-	125188	151.58	127552	222.64
1	-	12	-	-	-	-	127335	165.53	127554	233.76

Spiral Point
For through-hole applications

Spiral Flute
For bottoming (blind-hole) applications

A-Brand® MILLING

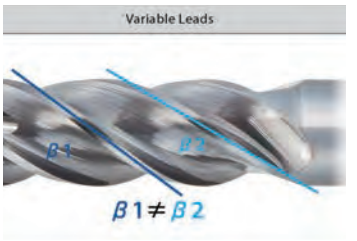
The A-Brand

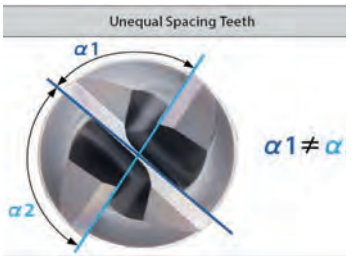
List 8200 - A-Brand® AE-VMS - Inch Square Endmill

Dia. (inch)	Length Of Cut (inch)	O.A.L. (inch)	End Type	Shank Dia (inch)	A.C.T. No.	Special Price $
3/32	9/64	2	Sharp	1/8	331131	27.14
1/8	3/16	2	Sharp	1/8	332238	27.14
5/32	15/64	2	Sharp	3/16	331132	27.14
3/16	7/16	2	Sharp	3/16	322817	27.79
1/4	7/16	2-1/2	Sharp	1/4	322818	47.36
5/16	13/16	2-1/2	Sharp	5/16	321693	57.84
3/8	7/8	2-1/2	Sharp	3/8	331210	72.93
7/16	1	2-3/4	Sharp	7/16	339423	88.16
1/2	1	3	Sharp	1/2	321160	96.27
5/8	1-1/4	3-1/2	Sharp	5/8	323705	157.47
3/4	1-1/2	4	Sharp	3/4	324580	213.62
1	1-1/2	4	Sharp	1	332481	284.04

*Manufacturer part number listed.

Chatter Suppresion geomtery with unequal spacing of teeth and variable-lead geometry enables stable and high efficiency milling.



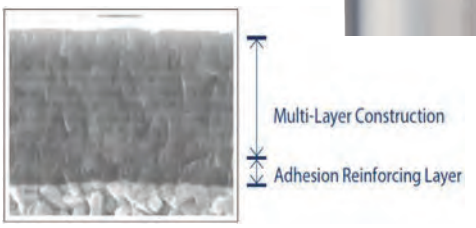


List 8210 - A-Brand® AE-CR-VMS - Inch Corner Radius Endmill

Dia. (inch)	Length Of Cut (inch)	O.A.L. (inch)	End Type	Shank Dia (inch)	A.C.T. No.	Special Price $
3/16	7/16	2	0.015R	3/16	82100021*	30.56
3/16	7/16	2	0.030R	3/16	320450	30.56
1/4	7/16	2-1/2	0.015R	1/4	325100	52.09
1/4	7/16	2-1/2	0.030R	1/4	335279	52.09
5/16	13/16	2-1/2	0.015R	5/16	342129	63.63
5/16	13/16	2-1/2	0.030R	5/16	82101021*	63.61
3/8	7/8	2-1/2	0.015R	3/8	324118	80.22
3/8	7/8	2-1/2	0.030R	3/8	325413	80.22
7/16	1	2-3/4	0.015R	7/16	82102821*	96.98
7/16	1	2-3/4	0.030R	7/16	82103021*	96.98
1/2	1	3	0.015R	1/2	321184	106.86
1/2	1	3	0.030R	1/2	320878	106.87
1/2	1-1/4	3-1/2	0.015R	1/2	324409	121.77
1/2	1-1/4	3-1/2	0.030R	1/2	317428	121.77
5/8	1-1/4	3-1/2	0.030R	5/8	323706	173.22
5/8	1-1/4	3-1/2	0.060R	5/8	323707	173.23
3/4	1-1/2	4	0.030R	3/4	321732	234.99
3/4	1-1/2	4	0.060R	3/4	325341	234.98
1	1-1/2	4	0.030R	1	333339	312.44
1	1-1/2	4	0.060R	1	82109621*	312.44

*Manufacturer part number listed.

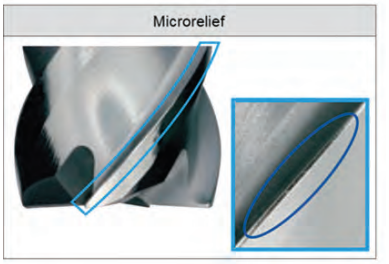
OSG's DUARISE coating provides excellent lubricity, superior friction-resistance and high oxidation temperature. Multi-layer construction minimizes thermal cracks that often occur while using water-soluble oil.



List 8201 - A-Brand® AE-VML - Inch Long Length Endmill

Dia.	Length Of Cut (inch)	O.A.L. (inch)	End Type	Shank Dia (inch)	A.C.T. No.	Special Price $
1/4	1	2-3/4	Sharp	1/4	82010121*	81.24
5/16	1-1/4	3-1/2	Sharp	5/16	82010321*	99.15
3/8	1-1/2	3-3/4	Sharp	3/8	82010521*	118.04
1/2	2	4-1/2	Sharp	1/2	330970	163.62

*Manufacturer part number listed.



Only valid for the AE-VML & AE-NIK-VML Endmills

List 8202 - A-Brand® AE-NIK-VML - Inch Long Length Endmill, Nicked

Dia.	Length Of Cut (inch)	O.A.L. (inch)	End Type	Shank Dia (inch)	A.C.T. No.	Special Price $
1/4	1	2-3/4	Sharp	1/4	82020121*	89.25
5/16	1-1/4	3-1/2	Sharp	5/16	341945	109.07
3/8	1-1/2	3-3/4	Sharp	3/8	333025	130.18
1/2	2	4-1/2	Sharp	1/2	330971	179.98

*Manufacturer part number listed.

Online
www.ACTEquipment.com
Surrey
Phone: (604) 294-6271
Toll Free: 1 (800) 667-1504
Edmonton
Phone: (780) 462-1777
Toll Free: 1 (800) 661-5979

A-Brand® AE-N Advanced Performance DLC Coated End Mills

Also available in Metric

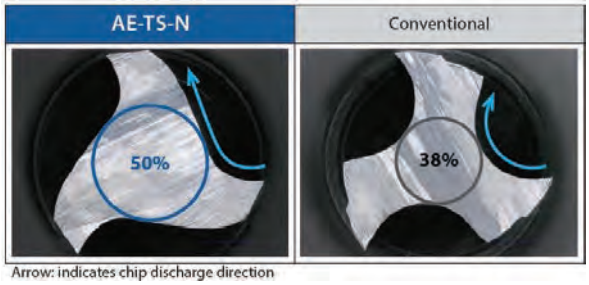
For Non-Ferrous Materials

List 8630 - A-Brand® AE-TL-N - Inch Square Endmill

Dia. (inch)	Length Of Cut (inch)	O.A.L. (inch)	End Type	Shank Dia (inch)	A.C.T. No.	Special Price $
1/8	3/8	1-1/2	Sharp	1/8	342335	26.32
1/8	1/2	2-1/2	Sharp	1/8	342336	33.56
3/16	9/16	2	Sharp	3/16	86300209*	28.69
3/16	3/4	2-1/4	Sharp	3/16	86300309*	35.87
1/4	3/4	2-1/2	Sharp	1/4	340576	35.52
1/4	1	2-1/2	Sharp	1/4	338991	40.09
1/4	1-1/4	3	Sharp	1/4	86300609*	50.02
5/16	15/16	2-1/2	Sharp	5/16	342337	62.02
3/8	1-1/8	3	Sharp	3/8	339088	66.41
3/8	1-1/2	4	Sharp	3/8	340575	83.00
1/2	1-1/2	4	Sharp	1/2	338992	90.41
1/2	2	4	Sharp	1/2	340155	111.14
1/2	2-1/2	5	Sharp	1/2	86301209*	126.40
5/8	1-7/8	5	Sharp	5/8	339089	214.30
5/8	2-1/2	5	Sharp	5/8	341022	254.95
5/8	3-1/8	6	Sharp	5/8	86301509*	311.70
3/4	2-1/4	5	Sharp	3/4	86301609*	288.67
3/4	3	6	Sharp	3/4	342338	348.83
1	3	6	Sharp	1	86301809*	559.08

A-Brand **AE-TL-N** are OSG's advanced performance DLC coated carbide end mills for non-ferrous materials. With excellent cutting sharpness, they are able to suppress burrs to achieve excellent surface finish and are extremely effective for non-ferrous materials such as aluminum alloys that require welding resistance and lubricity.

They are available is 3xD ~ 5xD Length of Cuts



Arrow: indicates chip discharge direction

List 8830 - A-Brand® AE-VTS-N - Inch Square Endmill

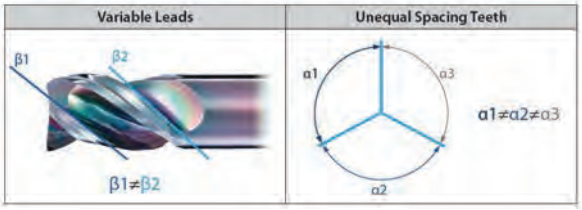
Dia. (inch)	Length Of Cut (inch)	Neck Length (inch)	End Type	Shank Dia (inch)	A.C.T. No.	Special Price $
1/8	1/4	3/8	Sharp	1/8	88300009*	45.28
3/16	3/8	9/16	Sharp	3/16	88300109*	57.99
1/4	1/2	3/4	Sharp	1/4	88300209*	74.52
5/16	3/4	15/16	Sharp	5/16	88300309*	81.89
3/8	7/8	1-1/8	Sharp	3/8	88300409*	104.40
1/2	1-1/8	1-1/2	Sharp	1/2	88300509*	161.51

A-Brand **AE-VTS-N** is a product developed for manufacturers who desire high efficiency milling performance. With the variable lead and unequal spacing teeth tool geometry, chatter is less likely to occur even under aggressive cutting conditions. The AE-VTS-N is also effective for plunging and ramping in the z-axis direction.

Vibration Suppression

Stable and High Efficiency Milling

Stable and high efficiency milling is made possible by the suppression of chattering.



Application

Application		Slot Milling	Side Milling	Helical Milling	Contour Milling	Ramping	Deep Side Milling	Plunging	Trochoidal Milling
Standard	AE-TS-N Short	◎	☆	◎	◎	◎	☆	◎	☆
	AE-TL-N Long, 3 x D flute length	○	☆	◎	○	○	☆	○	☆
	AE-TL-N Long, 5 x D flute length	△	☆	○	△	△	☆	△	☆
High Performance	AE-VTS-N Short	☆	☆	☆	☆	☆	☆	☆	☆
	PXAL Exchangeable Head	☆	☆	☆	☆	☆	☆	☆	☆

△→○→◎→☆
(Fair) (Best)

VGx TiAlN Coated Solid Carbide End Mills - High Performance

The VGx End Mill Series from OSG is a field-proven milling tool with the capability of chatter-free, high performance machining in a wide range of materials and milling applications.

Square End - List VG441

Dia. (inch)	O.A.L. (inch)	Length of Cut (inch)	Shank Dia. (inch)	A.C.T. No.	Special Price $
1/8	1.1/2	3/8	1/8	260910	17.11
3/16	2	7/16	3/16	260911	23.91
1/4	2.1/2	3/4	1/4	260913	26.55
5/16	2.1/2	13/16	5/16	260914	37.73
3/8	2.1/2	7/8	3/8	260916	44.09
7/16	2.3/4	1	7/16	260917	65.63
1/2	2.1/2	5/8	1/2	260918	75.68
1/2	3	1	1/2	260919	82.27
1/2	3 1/2	1.1/4	1/2	260920	87.63
5/8	3	3/4	5/8	260925	139.97
5/8	3.1/2	1.1/4	5/8	260926	152.16
5/8	5	1.5/8	5/8	260927	190.18
3/4	3.1/2	7/8	3/4	260931	176.92
3/4	4	1.1/2	3/4	260932	188.27
3/4	4	1.5/8	3/4	260933	189.22
1	4	1.1/2	1	260937	352.08

Ball Nose End - List VG441BN

Dia. (inch)	O.A.L. (inch)	Length of Cut (inch)	Shank Dia. (inch)	A.C.T. No.	Special Price $
1/8	2	1/2	1/8	279910	26.94
3/16	2 1/4	5/8	3/16	279911	30.09
1/4	2 1/2	3/4	1/4	271757	42.00
5/16	2 1/2	3/4	5/16	277276	50.69
3/8	2 1/2	7/8	3/8	273356†	62.57
7/16	2 1/2	7/8	7/16	276970†	80.69
1/2	3	1	1/2	272445†	99.79
1/2	3	1.1/4	1/2	281424†	99.79
5/8	3 1/2	1.1/4	5/8	271509†	189.29
3/4	4	1.1/2	3/4	271155†	265.23
1	4	1.1/2	1	270342†	391.03
1 1/4	5	2.1/4	1.1/4	VG441-1010-BN†*	586.58

†Weldon Shank
**Manufacturer part number listed.*

Two-Flute and Four-Flute Solid Carbide End Mills- Series 402 and 404 (Center Cutting)

The industry standard. Wear resistant and with minimal deflection for excellent size and control. ***For general purpose milling*** on slotting and production milling on contour machining.

Select 'Bright Finish' as first choice for aluminum and plastic applications.

2 Flute Bright Finish

2 Flute TiAlN Finish

4 Flute Bright Finish

4 Flute TiAlN Finish

HY-PRO CARB

Refer to OSG Catalogue for speeds and feeds.

Other sizes available.

SAVE UP TO 25%

Size (inch)	Flute Length (inch)	O.A.L. (inch)	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $	A.C.T. No.	Special Price $
1/16	3/16	1.1/2	146752	9.21	141865	11.18	146772	9.21	141934	11.18
3/32	5/16	1.1/2	146754	9.21	141867	11.43	146192	9.21	141935	11.43
1/8	1/2	1.1/2	146756	9.21	141869	11.43	146193	9.21	141936	11.43
5/32	9/16	2	146758	13.25	141894	16.11	146194	13.25	141937	16.11
3/16	5/8	2	146760	13.25	141910	16.11	146777	12.22	141938	14.86
7/32	5/8	2.1/2	146762	17.39	141915	23.22	146779	17.39	143946	23.22
1/4	3/4	2.1/2	138853	15.45	141916	20.84	146780	15.45	141939	20.84
9/32	3/4	2.1/2	146763	19.99	141917	28.70	146781	19.99	143947	28.70
5/16	13/16	2.1/2	146764	19.47	141918	28.18	146782	17.95	141940	25.98
11/32	7/8	2.1/2	146765	28.78	141920	37.49	146783	28.78	143948	37.49
3/8	1	2.1/2	146766	24.21	141922	32.23	146195	24.21	141941	32.23
13/32	1	2.3/4	146767	40.21	141923	50.99	146784	40.21	143950	50.99
7/16	1	2.3/4	146768	36.00	141924	46.77	146785	36.00	141942	46.77
1/2	1	3	126072	39.81	141925	49.74	146786	39.81	141943	49.74
9/16	1.1/8	3.1/2	126068	58.88	141926	74.44	146787	58.88	143715	74.44
5/8	1.1/4	3.1/2	127156	72.24	141927	87.80	146788	66.61	141944	80.96
11/16	1.3/8	4	146769	110.14	141930	128.59	146789	110.14	141945	128.59
3/4	1.1/2	4	127157	105.83	141931	124.25	146790	97.58	141946	114.57
7/8	1.1/2	4	146770	180.34	141932	207.46	146791	180.34	141947	207.46
1	1.1/2	4	127158	195.98	141933	223.11	146792	195.98	141948	223.11

These items made in OSG Canadian manufacturing facility

VGM Series - Five-Flute, Six-Flute and Seven-Flute Carbide End Mills

NEW!

The HY-PRO® CARB VGM end mill is a series of variable geometry end mills for various Milling practices including dynamic milling ideal in Steel, Stainless Steel and HRSA Materials

Variable Index & Unique Flute Geometry

Reduces Vibration and Chatter & Promotes Smooth, Stable Cutting w/Low Cutting Forces

Variable Index:
Unequal flute spacing reduces vibration during machining by altering the timing of each flute engaging in the workpiece.

Unique Flute Geometry:
Sharp rake angle, high helix and adjusted core diameter maintain excellent cutting edge sharpness and tool rigidity to promote smooth, stable cutting with low cutting force.

EXO Coating

Provides Long Tool Life

OSG's proprietary multi-layer coating provides longer tool life through higher wear and heat resistance than conventional TiAlN coatings.

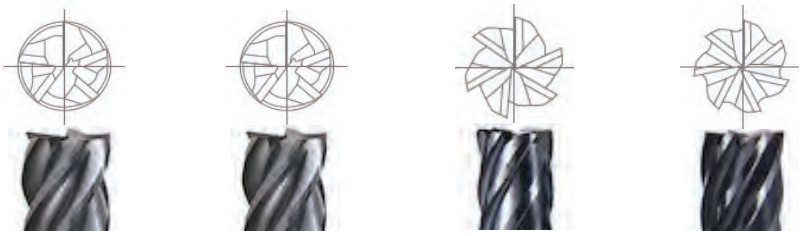
Series	Coating	Type	Hardness (HV)	Thickness (µm)	Coefficient of Friction	Oxidation Temp (C)
VGx	TiAlN	TiAlN	2,800	3	0.3	800
VGM	EXO	TiAlN Multilayer	2,800	3	0.3	850

VGM Series Comprehensive Offering

5-, 6-, and 7-Flute Lineups

OSG's VGM offering features 5-, 6-, and 7-flute lineups, and is available with multiple Lengths of Cut, with both Square End and Corner Radius variations.

Name	No. of Flutes	Reduced Neck	LOC	Neck Length	Total # of EDPs
VGM-5	5	SQ & CR	N/A	1.25 to 6xD	277
VGM-5-LN	5	SQ & CR	Yes	1.25xD	211
* VGM-6	6	SQ & CR	N/A	1.25 to 6xD	186
* VGM-7	7	SQ & CR	N/A	1.25 to 6xD	110



Size (inch)	Length Of Cut (inch)	Neck Length (inch)	Corner Radius (Inch)	List VGM5 5 Flute End Mill A.C.T. No.	Special Price $	List VGM5-LN 5 Flute Long Neck A.C.T. No.	Special Price $	List VGM6 6 Flute End Mill A.C.T. No.	Special Price $	List VGM7 7 Flute End Mill A.C.T. No.	Special Price $
1/8	3/16	N/A	0.010 R	VGM5-0001*	20.49	N/A	-	N/A	-	N/A	-
1/8	3/4	N/A	0.010 R	VGM5-0016*	32.33	N/A	-	N/A	-	N/A	-
1/8	5/32	1	0.010 R	N/A	-	VGM5-1014*	41.41	N/A	-	N/A	-
3/16	9/32	N/A	0.010 R	VGM5-0026*	25.15	N/A	-	N/A	-	N/A	-
3/16	9/32	N/A	0.010 R	VGM5-0026*	25.15	N/A	-	N/A	-	N/A	-
3/16	15/64	1-5/16	0.010 R	N/A	-	VGM5-1029*	40.50	N/A	-	N/A	-
1/4	3/8	N/A	0.020 R	VGM5-0048*	34.10	N/A	-	VGM6-0002*	41.20	VGM7-0002*	37.50
1/4	1-1/2	N/A	0.020 R	VGM5-0072*	61.46	N/A	-	VGM6-0022*	64.14	VGM7-0022*	69.50
1/4	5/16	2-1/2	0.020 R	N/A	-	VGM5-1058*	68.36	N/A	-	N/A	-
5/16	15/32	N/A	0.020 R	335842	47.43	N/A	-	VGM6-0026*	53.41	VGM7-0026*	51.38
5/16	1-1/4	N/A	0.020 R	VGM5-0094*	73.51	N/A	-	VGM6-0038*	76.35	VGM7-0038*	78.72
3/8	9/16	N/A	0.030 R	VGM5-0099*	53.68	N/A	-	VGM6-0043*	83.92	VGM7-0043*	64.21
3/8	1-1/2	N/A	0.030 R	VGM5-0118*	78.26	N/A	-	VGM6-0058*	80.02	VGM7-0055*	78.08
3/8	15/32	3	0.030 R	N/A	-	342185	120.77	N/A	-	N/A	-
1/2	5/8	N/A	0.030 R	335510	82.60	N/A	-	VGM6-0062*	96.81	VGM7-0058*	101.14
1/2	2	N/A	0.030 R	VGM5-0157*	125.69	N/A	-	VGM6-0086*	136.89	335506	136.97
1/2	2-1/2	N/A	0.030 R	VGM5-0162*	125.69	N/A	-	N/A	-	N/A	-
1/2	5/8	5	0.030 R	N/A	-	VGM5-1132*	232.91	N/A	-	N/A	-
5/8	25/32	N/A	0.030 R	VGM5-0167*	150.96	N/A	-	VGM6-0093*	142.99	VGM7-0073*	174.01
5/8	2-1/2	N/A	0.030 R	VGM5-0197*	232.91	N/A	-	VGM6-0121*	290.84	VGM7-0085*	217.69
5/8	25/32	3-3/4	0.030 R	N/A	-	VGM5-1155*	299.76	N/A	-	N/A	-
3/4	15/16	N/A	0.030 R	VGM5-0203*	228.60	N/A	-	VGM6-0128*	285.90	VGM7-0088*	267.63
3/4	3	N/A	0.030 R	VGM5-0235*	321.72	N/A	-	VGM6-0160*	362.75	VGM7-0100*	330.75
3/4	3-3/4	N/A	0.030 R	VGM5-0243*	352.71	N/A	-	N/A	-	N/A	-
3/4	15/16	4-1/2	0.030 R	N/A	-	336638	327.80	N/A	-	N/A	-
1	1-1/4	N/A	0.030 R	VGM5-0250*	381.72	N/A	-	N/A	-	N/A	-
1	1-1/2	N/A	0.030 R	N/A	-	N/A	-	VGM6-0167*	518.13	VGM7-0103*	395.13
1	3	N/A	0.030 R	VGM5-0264*	506.79	N/A	-	VGM6-0181*	566.12	VGM7-0109*	497.13
1	4	N/A	0.030 R	VGM5-0271*	614.63	N/A	-	N/A	-	N/A	-
1	1-1/4	5	0.030 R	N/A	-	VGM5-1206*	534.83	N/A	-	N/A	-

GENERAL PURPOSE Adjustable Round Dies

for Ferrous and Non-ferrous Materials

Features

- HSS material
- Inch or Metric
- List 134P for Taper Pipe

Benefits

- Increased wear resistance
- For external inch or metric threads
- For external tapered pipe threads

Model No.	Size	A.C.T. No.	Special Price $
2726000	DIE 0-80NF ROUND ADJ 13/16"	112315	43.58
2728200	DIE 10-32NF ROUND ADJ 13/16"	148971	29.41
2726600	DIE 3-48NC ROUND ADJ 13/16"	148975	34.47
2702800	DIE 1/4-20NC ROUND ADJ 1"	149996	36.52
2706800	DIE 3/8-16NC ROUND ADJ 1.1/2"	159258	57.54
2729100	DIE 8-32NC ROUND ADJ 1"	168000	36.52
2710700	DIE 3/8-16NC ROUND ADJ 2"	172372	102.43
2728800	DIE 6-32NC ROUND ADJ 1"	175282	36.52
2729400	DIE 10-24NC ROUND ADJ 1"	175283	36.52
2729600	DIE 10-32NF ROUND ADJ 1"	175284	36.52
2729700	DIE 12-24NC ROUND ADJ 1"	175285	36.52
2703000	DIE 1/4-28NF ROUND ADJ 1"	175286	36.52
2703200	DIE 5/16-18NC ROUND ADJ 1"	175287	36.52
2703300	DIE 5/16-24NF ROUND ADJ 1"	175288	36.52
2703500	DIE 3/8-16NC ROUND ADJ 1"	175289	36.52
2703600	DIE 3/8-24NF ROUND ADJ 1"	175290	36.52
2703700	DIE 7/16-14NC ROUND ADJ 1"	175291	36.52
2703800	DIE 7/16-20NF ROUND ADJ 1"	175292	36.52
2701000	DIE 1/4-20NC ROUND ADJ 13/16"	181353	29.41
2701200	DIE 1/4-28NF ROUND ADJ 13/16"	181354	29.41
2701400	DIE 5/16-18NC ROUND ADJ 13/16"	181355	29.41
2701500	DIE 5/16-24NF ROUND ADJ 13/16"	181356	29.41
2706100	DIE 1/4-20NC ROUND ADJ 1.1/2"	181357	57.54
2706300	DIE 1/4-28NF ROUND ADJ 1.1/2"	181358	57.54
2706500	DIE 5/16-18NC ROUND ADJ 1.1/2"	181359	57.54
2706600	DIE 5/16-24NF ROUND ADJ 1.1/2"	181360	57.54
2706900	DIE 3/8-24NF ROUND ADJ 1.1/2"	181361	57.54
2707000	DIE 7/16-14NC ROUND ADJ 1.1/2"	181362	57.54
2707100	DIE 7/16-20NF ROUND ADJ 1.1/2"	181363	57.54
2707200	DIE 1/2-13NC ROUND ADJ 1.1/2"	181364	57.54
2707300	DIE 1/2-20NF ROUND ADJ 1.1/2"	181366	57.54
2707400	DIE 9/16-12NC ROUND ADJ 1.1/2"	181367	57.54
2707500	DIE 9/16-18NF ROUND ADJ 1.1/2"	181368	57.54
2707600	DIE 5/8-11NC ROUND ADJ 1.1/2"	181369	57.54
2707700	DIE 5/8-18NF ROUND ADJ 1.1/2"	181370	57.54
2710000	DIE 1/4-20NC ROUND ADJ 2"	181371	102.43
2710100	DIE 1/4-28NF ROUND ADJ 2"	181379	102.43
2710400	DIE 5/16-18NC ROUND ADJ 2"	181380	102.43
2710500	DIE 5/16-24NF ROUND ADJ 2"	181382	102.43

Model No.	Size	A.C.T. No.	Special Price $
2710800	DIE 3/8-24NF ROUND ADJ 2"	181383	102.43
2710900	DIE 7/16-14NC ROUND ADJ 2"	181384	102.43
2711000	DIE 7/16-20NF ROUND ADJ 2"	181385	102.43
2711100	DIE 1/2-13NC ROUND ADJ 2"	181386	102.43
2711200	DIE 1/2-20NF ROUND ADJ 2"	181387	102.43
2711300	DIE 9/16-12NC ROUND ADJ 2"	181388	102.43
2711400	DIE 9/16-18NF ROUND ADJ 2"	181390	102.43
2711500	DIE 5/8-11NC ROUND ADJ 2"	181391	102.43
2711600	DIE 5/8-18NF ROUND ADJ 2"	181392	102.43
2712000	DIE 3/4-10NC ROUND ADJ 2"	181393	102.43
2712100	DIE 3/4-16NF ROUND ADJ 2"	181394	102.43
2712200	DIE 7/8-9NC ROUND ADJ 2"	181396	102.43
2712300	DIE 7/8-14NF ROUND ADJ 2"	181397	102.43
2726200	DIE 1-64NC ROUND ADJ 13/16"	181399	43.58
2726300	DIE 1-72NF ROUND ADJ 13/16"	181400	43.58
2726400	DIE 2-56NC ROUND ADJ 13/16"	181401	38.52
2726500	DIE 2-64NF ROUND ADJ 13/16"	181403	38.52
2726700	DIE 3-56NF ROUND ADJ 13/16"	181404	34.47
2727000	DIE 4-40NC ROUND ADJ 13/16"	181405	29.41
2727100	DIE 4-48NF ROUND ADJ 13/16"	181406	29.41
2727200	DIE 5-40NC ROUND ADJ 13/16"	181407	29.41
2727300	DIE 5-44NF ROUND ADJ 13/16"	181408	29.41
2727400	DIE 6-32NC ROUND ADJ 13/16"	181409	29.41
2727600	DIE 6-40NF ROUND ADJ 13/16"	181410	29.41
2727700	DIE 8-32NC ROUND ADJ 13/16"	181411	29.41
2727800	DIE 8-36NF ROUND ADJ 13/16"	181412	29.41
2728000	DIE 10-24NC ROUND ADJ 13/16"	181413	29.41
2728300	DIE 12-24NC ROUND ADJ 13/16"	181414	29.41
2728400	DIE 12-28NF ROUND ADJ 13/16"	181415	29.41
2734000	DIE 1/8-27NPT ROUND ADJ 1"	190865	43.58
2734300	DIE 3/8-18NPT ROUND ADJ 1.1/2"	190980	73.52
2734600	DIE 1/2-14NPT ROUND ADJ 2"	216806	102.43
2705300	DIE 1/2-20NF ROUND ADJ 1.5/16"	239330	57.54
2723600	DIE 3-48NC ROUND ADJ 5/8"	240547	34.47
2723700	DIE 3-56NF ROUND ADJ 5/8"	240548	34.47
2714200	DIE 1-8NC ROUND ADJ 2.1/2"	273640	144.77
2714400	DIE 1-14NS ROUND ADJ 2.1/2"	273641	144.77
2724700	DIE 8-32NC ROUND ADJ 5/8"	274703	29.41
2734500	DIE 3/8-18NPT ROUND ADJ 2"	275381	102.43

DIE STOCK

Made in Germany

Model No.	DIE	O.A.L	A.C.T. No.	Special Price $
113-750	13/16	200	88499	12.17
113-755	1	224	61549	12.70
113-760	1- 1/2	315	61550	20.89
113-765	2	560	62573	46.36

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Hex Rethreading Dies Type 27-UB

VIKING DRILL & TOOL

Ultra Bor Super Premium Dies

Special Hi-Molybdenum tool steel, polished gold fnish with black surface treated threads for long life and rich appearance. These dies are used for threading rods, bolts, studs and other pieces requiring external threads. The outside hex configuration allows both wrench and die stock use in threading.

Model No.	Size	Across Flats	A.C.T. No.	Special Price $
61000	4-40	1″	208360	12.11
61010	6-32	1″	208361	12.11
61020	8-32	1″	208362	12.11
61030	10-24	1″	208363	12.11
61040	10-32	1″	208364	12.11
61050	12-24	1″	208365	12.11
61060	1/4-20	1″	208367	12.11
61070	1/4-28	1″	208368	12.11
61080	5/16-18	1″	208373	12.11
61090	5/16-24	1″	208377	12.11
61100	3/8-16	1″	208381	12.11
61110	3/8-24	1″	208385	12.11
61120	7/16-14	1″	208386	12.11
61130	7/16-20	1″	208389	12.11
61140	1/2-13	1″	208392	12.68
61150	1/2-20	1″	208395	12.68
61160	9/16-12	1-7/16″	208396	27.25
61170	9/16-18	1-7/16″	208397	27.25
61180	5/8-11	1-7/16″	208401	27.25
61190	5/8-18	1-7/16″	208405	27.25
61200	3/4-10	1-7/16″	208406	27.25
61210	3/4-16	1-7/16″	208407	27.25
61220	1/8-27NPT	1″	208408	12.68
61230	1/4-18NPT	1-7/16″	208409	27.25

Model No.	Size (Metric)	Across Flats	A.C.T. No.	Special Price $
60511	3.0 x 0.50	1″	317847	15.32
60521	3.5 x 0.60	1″	60521*	15.32
60531	4.0 x 0.70	1″	60531*	16.05
60551	5.0 x 0.80	1″	60551*	16.05
60561	6.0 x 1.00	1″	60561*	16.05
60581	8.0 x 1.25	1″	60581*	16.78
60601	10.0 x 1.50	1″	60601*	16.78
60621	12.0 x 1.75	1-7/16″	304209	16.78

**Manufacturer part number listed.*

HSS Adjustable Round Split Dies

DOWA TOOLING SOLUTIONS

Coarse Threads.
Fine Threads Also Available.

Model No.	Size	Outside Dia.	A.C.T. No.	Special Price $
140-310	2-56	13/16″	103129	14.42
140-315	3-48	13/16″	88332	14.23
140-320	4-40	13/16″	100829	14.23
140-325	5-40	13/16″	131913	14.23
140-330	6-32	13/16″	92187	14.58
140-335	8-32	13/16″	201387	14.23
140-340	10-24	13/16″	70771	17.17
140-345	12-24	13/16″	92188	16.77
140-350	1/4-20	13/16″	92189	16.77
140-355	5/16-18	13/16″	321673	16.77
140-360	6-32	1″	127266	18.21
140-365	8-32	1″	68384	17.78
140-370	10-24	1″	89129	20.93
140-375	12-24	1″	125897	20.93
140-380	1/4-20	1″	89275	20.93
140-385	5/16-18	1″	89352	20.93
140-390	3/8-16	1″	89304	20.93
140-395	7/16-14	1″	106988	20.93
140-400	1/2-13	1″	89338	20.93
140-405	1/4-20	1-1/2″	201131	35.19
140-410	5/16-18	1-1/2″	69713	35.19
140-415	3/8-16	1-1/2″	90333	35.19
140-420	7/16-14	1-1/2″	90374	35.19
140-425	1/2-13	1-1/2″	73826	35.19
140-430	9/16-12	1-1/2″	89371	35.19
140-435	5/8-11	1-1/2″	87548	35.19
140-437	3/4-10	1-1/2″	88338	35.19
140-440	5/8-11	2″	93530	60.22
140-445	3/4-10	2″	89596	60.22
140-450	7/8-9	2″	113203	60.22
140-455	1-8	2″	137610	60.22

Standard Tap Extractor Sets

WALTON

**** 3-Flute style supplied for sizes shown.***
All others in 4-Flute style.

Model No.	Set No.	Sizes Included (in.)	A.C.T. No.	Special Price $
18001	1	13/16, 1/4, 5/16, 3/8, 7/16, 1/2	101266	184.83
18002	2	1/4, 5/16, 3/8, 7/16, 1/2, 5/8	201130	207.05
18003	3	5/16, 3/8, 7/16, 1/2, 9/16, 5/8	66127	224.63
18011	11	1/8″*, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1	191384	466.84
18013	13	#4*, #5*, #6*, #8, #10, #12, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	73403	435.47
18015	15	#4*, #5*, #6*, #8, #10, #12, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1	242692	576.34

General Purpose NPT Pipe Taps

CLE-LINE

MADE IN USA

Model No.	Size (inch)	TPI	Shank Dia.(inch)	Thread. Lgth. (mm)	O.A.L. (mm)	No. of Flutes	A.C.T. No.	Special Price $
C64213	1/8	27	.3125	3-4	2-0/8	4	320899	24.45
C64215	1/4	18	.5625	1-1/16	1-7/16	4	320901	25.95
C64216	3/8	18	.7000	1-1/16	2-9/16	4	320902	35.17
C64217	1/2	14	.6875	1-3/8	3-1/8	4	320903	54.63
C64218	3/4	14	.9063	1-3/8	3-1/4	5	320904	79.69
C64219	1	11-1/2	1.1250	1-3/8	3-3/4	5	320905	136.35
C64220	1 - 1/4	11-1/2	1.3125	1-3/4	4	5	320906	187.55
C64221	1 - 1/2	11-1/2	1.5000	1-3/4	4-1/4	7	320907	241.71
C64222	2	11-1/2	1.8750	1-3/4	4-1/4	7	320908	376.52

T-Handle Tap Wrenches

Starrett®

- Hold taps, drills, reamers and other small tools to be turned by hand
- Centered body with sliding handle that is frictionally held
- Designed to hold square shanks. Round shanks can be gripped with care

Model No.	Tap Capacity	Square Shank	Body Length	A.C.T. No.	Special Price $
93A	1/16-3/16"	1/16-5/32"	2"	137443	55.81
93B	7/32-7/16"	5/32-1/4"	2.1/2"	137444	59.14
93C	1/4-1/2"	3/16-5/16"	3.1/2"	137445	75.74

T-Handle Tap Wrenches Ratchet Type

Sowa TOOLING SOLUTIONS

Made in Germany

Model No.	Range In	Range mm	Length	A.C.T. No.	Special Price $
100/1	1/8-3/8	M3-M10	3-3/8"	61542	37.64
100/2	7/32-1/2	M5-M12	4"	61546	46.36
100/10	1/8-3/8	M3-10	10"	61547	60.36
100/20	7/32-1/2	M5-12	12"	61548	69.85

Adjustable Tap Wrenches

Sowa TOOLING SOLUTIONS

Made in Germany

Model No.	Range In	Range mm	Length	A.C.T. No.	Special Price $
130/1.5	1/16-1/2	M1-12	7"	321458	17.98
130/3	7/32 - 3/4	M5-20	15"	60789	40.24
130/4	7/16-1	M11-27	20"	60790	65.57

General Purpose Hand Taps

CLE-LINE

Features:

High Speed Steel (HSS) provides good wear-resistance and can be used in general purpose applications for both ferrous and nonferrous materials.

MADE IN USA

- **Taper chamfer:** hand operations

- **Plug chamfer:** general purpose applications

- **Bottoming chamfer:** to thread close to an obstruction or blind hole.

Tap Size	TPI NC	TPI NF	TPI NS	No. of Flutes	Taper A.C.T. No.	Taper Price $	Plug A.C.T. No.	Plug Price $	Bottom A.C.T. No.	Bottom Price $
0		80		2	311414	13.31	311415	13.97	311416	13.97
1	64			2	311417	12.34	311418	13.03	311419	12.95
		72		2	311420	12.34	311421	13.49	311422	12.34
2	56			3	311423	11.46	311424	13.03	311425	11.82
		64		3	311426	11.46	311427	11.46	311428	11.82
3	48			3	311429	8.19	311430	8.19	311431	8.19
		56		3	311432	9.18	311433	9.18	311434	9.18
4	40			3	311435	6.95	206655	6.95	311436	6.95
		48		3	311437	6.86	311438	6.86	311439	6.86
5	40			3	311440	6.85	311441	6.85	311442	6.85
		44		3	311443	7.98	311444	7.98	311445	7.98
6	32			3	311446	5.25	206656	5.25	311447	5.25
		40		3	311448	5.85	311449	5.85	311450	5.85
8	32			4	311451	5.51	206657	5.51	311452	5.51
		36		4	311453	5.62	311454	5.62	311455	5.62
10	24			4	311456	5.71	311457	5.71	311458	5.71
		32		4	311459	5.71	206658	5.71	311460	5.71
12	24			4	311461	5.88	311462	5.88	311463	5.88
		28		4	311464	7.00	311465	7.00	311466	7.00
1/4	20			4	311467	5.88	301485	5.88	311468	5.88
		28		4	311469	6.22	206659	6.22	311470	6.22
5/16	18			4	311471	7.03	311472	7.03	311473	7.03
		24		4	311474	7.31	311475	7.31	311476	7.31
3/8	16			4	311477	8.59	311478	9.25	311479	9.25
		24		4	311480	9.25	311481	9.25	311482	9.25
7/16	14			4	311483	12.23	311484	12.23	311485	12.23
		20		4	311487	12.23	311488	12.23	311489	12.23
1/2	13			4	311490	14.42	311491	14.42	311492	14.42
		20		4	311493	14.82	311494	14.82	311495	14.82
9/16	12			4	311496	19.96	311497	19.96	311498	19.96
		18		4	311499	19.96	311500	19.96	311501	19.96
5/8	11			4	311502	24.64	311503	24.64	311504	24.64
		18		4	311505	25.02	311506	25.02	311507	25.02
11/16			11	4	311508	30.79	311509	30.79	311510	30.79
			16	4	311511	30.79	311512	30.79	311513	30.79
3/4	10			4	311516	33.58	311517	33.58	311518	33.58
		16		4	311519	34.07	311520	34.07	311521	34.07
7/8	9			4	311522	45.85	311523	45.85	311524	45.85
		14		4	311525	45.85	311526	45.85	311527	45.85
1	8			4	311528	62.36	311529	62.36	311530	62.36
		12		4	311531	62.36	311532	62.36	311533	62.36
			14	4	311534	62.36	311535	62.36	311536	62.36

For Quality Tapping Fluid and Paste Refer to pages 21, 133 & 135.

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Two-Flute HSCO M42 End Mills

- Two helical flutes
- Center cutting
- Single end ***with weldon shank***
- Keyway tolerance

Size (inch)	Shank Dia. (inch)	Flute Length (inch)	O.A.L. (inch)	A.C.T. No.	Special Price $
1/8	3/8	3/8	2.5/16	104971	17.85
5/32	3/8	7/16	2.5/16	95992	17.85
3/16	3/8	7/16	2.5/16	103794	17.85
7/32	3/8	1/2	2.5/16	111967	17.85
1/4	3/8	1/2	2.5/16	83937	17.85
9/32	3/8	9/16	2.5/16	83663	17.85
5/16	3/8	9/16	2.5/16	103537	17.85
11/32	3/8	9/16	2.5/16	113889	17.85
3/8	3/8	9/16	2.5/16	89318	17.85
13/32	3/8	13/16	2.1/2	114335	28.28
7/16	3/8	13/16	2.1/2	86204	25.59
15/32	3/8	13/16	2.1/2	118471	28.28
1/2	1/2	1	3	87699	25.59
9/16	1/2	1.1/8	3.1/8	87700	40.60
5/8	5/8	1.5/16	3.7/16	83040	40.60
11/16	5/8	1.5/16	3.7/16	126725	45.18
3/4	3/4	1.5/16	3.7/16	113162	45.17
13/16	5/8	1.1/2	3.5/8	107145	57.94
7/8	3/4	1.1/2	3.3/4	115342	57.95
1	1	1.5/8	4.1/8	86713	73.25

Larger sizes available. Contact your nearest A.C.T. Branch for details.

Four-Flute HSCO M42 End Mills

- Four helical flutes
- Center cutting
- Single end ***with weldon shank***

Size (inch)	Shank Dia. (inch)	Flute Length (inch)	O.A.L. (inch)	A.C.T. No.	Special Price $
1/8	3/8	3/8	2.5/16	88295	20.37
5/32	3/8	7/16	2.3/8	119930	17.83
3/16	3/8	1/2	2.3/8	89044	20.36
7/32	3/8	9/16	2.7/16	144094	15.38
1/4	3/8	5/8	2.7/16	89045	20.36
9/32	3/8	11/16	2.1/2	159536	20.36
5/16	3/8	3/4	2.1/2	124108	20.36
11/32	3/8	3/4	2.1/2	123697	20.36
3/8	3/8	3/4	2.1/2	94957	20.36
13/32	3/8	1	2.11/16	131904	30.51
7/16	3/8	1	2.11/16	124109	30.54
1/2	1/2	1.1/4	3.1/4	94845	30.54
9/16	1/2	1.3/8	3.3/8	124110	40.50
5/8	5/8	1.5/8	3.3/4	98479	46.80
11/16	5/8	1.5/8	3.3/4	124119	51.98
3/4	3/4	1.5/8	3.7/8	96467	55.34
7/8	3/4	1.7/8	4.1/8	96468	69.54
1	1	2	4.1/2	91954	83.84

Larger sizes available. Contact your nearest A.C.T. Branch for details.

Multi-Flute Roughing HSCO M42 End Mills

- General purpose HSCO non-center cutting
- High production metal removal in a wide range of materials
- Weldon Shank

Size (inch)	Shank Dia. (inch)	Flute Length (inch)	O.A.L. (inch)	No. of Flutes	A.C.T. No.	Special Price $
1/4	3/8	5/8	2.7/16	3	95253	29.67
5/16	3/8	3/4	2.1/2	3	134270	29.67
3/8	3/8	3/4	2.1/2	4	93723	29.67
1/2	1/2	1.1/4	3.1/4	4	94984	41.36
5/8	5/8	1.5/8	3.3/4	4	94493	50.45
3/4	5/8	1.5/8	3.3/4	4	102777	62.71
3/4	3/4	1.5/8	3.3/4	4	119369	62.71
7/8	3/4	1.7/8	4.1/8	5	104479	80.57
1	1	2	4.1/2	5	104227	90.71
1.1/8	1	2	4.1/2	6	108265	119.76
1.1/4	1.1/4	2	4.1/2	6	145867	138.64
1.1/2	1.1/4	2	4.1/2	6	145868	185.68
1.3/4	1.1/4	2	4.1/2	6	105798	229.99
2	2	2	5.3/4	8	123710	355.13
2	2	3	6.3/4	8	172651	381.28
2	2	4	7.3/4	8	142134	462.54

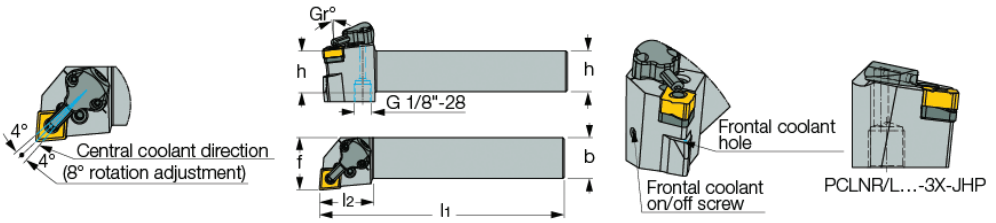
Ball Nose Two-Flute HSCO M42 End Mills

- Two helical flutes
- Center cutting
- Single end ***with weldon shank***
- Ball end

Size (inch)	Shank Dia. (inch)	Flute Length (inch)	O.A.L. (inch)	A.C.T. No.	Special Price $
1/8	3/8	3/8	2.5/16	86675	23.99
3/16	3/8	1/2	2.3/8	86676	23.99
1/4	3/8	5/8	2.7/16	98915	23.99
5/16	3/8	3/4	2.1/2	94186	26.12
3/8	3/8	3/4	2.1/2	106995	26.12
7/16	1/2	1	3	112334	38.93
1/2	1/2	1	3	88653	39.01
5/8	5/8	1.3/8	3.1/2	120959	57.17
3/4	3/4	1.5/8	3.7/8	84808	75.36
7/8	3/4	2	4.1/4	95934	104.14
1	1	2.1/4	4.3/4	101420	120.55

JETCUT ISO Turning Tool Holders

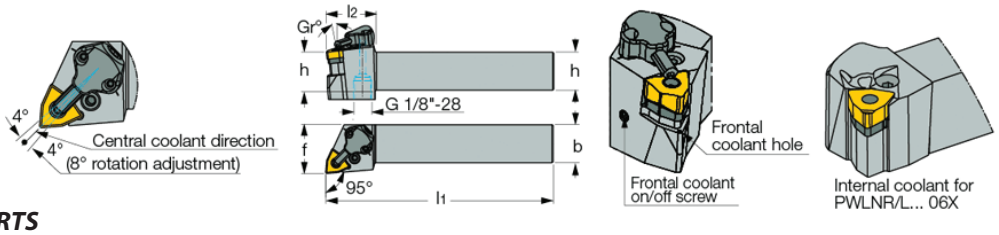
Makes the most out of your machine with ISCAR JETCUT line. This innovative solution for ISCAR's unique tool families makes the most of your investment in the High Pressure Coolant (HPC) feature. Now with the availability of high speed machines which offer standard or optional 70-bar coolant systems and through-spindle delivery, HPC technology has grown much more accessible – and proven to be timely. To complete the circle, ISCAR provides hundreds of special HPC turning tools for a multitude of applications. ISCAR's solutions have been implemented by satisfied customers for many years now.



FOR CNMX/CNMG INSERTS

Designation	b	h	l1	l2	f	Ga°	Gr°	A.C.T. No. Left	Special Price $	Right	Special Price $
PCLNL/R 12-3X-JHP	0.75	0.75	4.5	1.3	1.25	-6	-6	3606755*	274.72	299315	274.72
PCLNL/R 16-3X-JHP	1	1	6	1.3	1.25	-6	-6	3603451*	292.90	298853	292.90
PCLNL/R 16-4X-JHP	1	1	6	1.3	1.25	-6	-6	299377	292.90	272645	292.90
PCLNL/R 20-4X-JHP	1.25	1.25	6	1.3	1.5	-6	-6	3603696*	274.72	283765	292.90

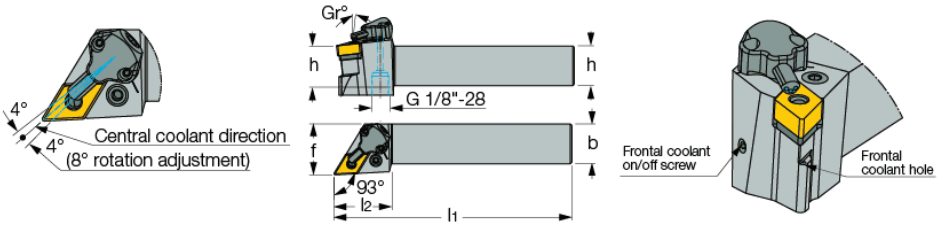
Manufacturer part number listed.



FOR WNMX/WNMG INSERTS

Designation	b	h	l1	l2	f	Ga°	Gr°	A.C.T. No. Left	Special Price $	Right	Special Price $
PWLNL/R 12-3X-JHP	0.75	0.75	4.5	1	1.25	-6	-6	3603691*	274.72	3603692*	274.72
PWLNL/R 16-3X-JHP	1	1	6	1	1.25	-6	-6	3603693*	292.90	3603694*	292.90
PWLNL/R 16-4X-JHP	1	1	6	1.3	1.25	-6	-6	3603309*	Contact your nearest ACT Branch for Special Pricing	277521	292.90
PWLNL/R 20-4X-JHP	1.25	1.25	6	1.3	1.5	-6	-6	3603494*	320.17	-	-

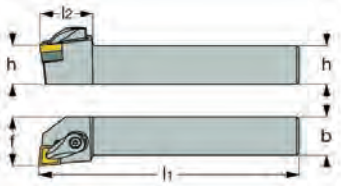
Manufacturer part number listed.



FOR DNMX/DNMG INSERTS

Designation	b	h	l1	l2	f	Ga°	Gr°	A.C.T. No. Left	Special Price $	Right	Special Price $
PDJNL/R 16-4-JHP	1	1	6	1.45	1.25	-6	-6	277855	292.90	272262	292.90
PDJNL/R 20-4-JHP	1.25	1.25	6	1.45	1.5	-6	-6	281225	292.90	281226	292.90

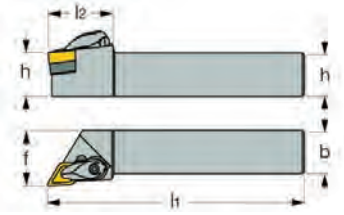
ISO Turning Tool Holders



DCLNL/R Tool Holders for CNMG Inserts

Designation	h	h1	b	l1	l2	f	A.C.T. No. Left	Special Price $	Right	Special Price $
DCLNL/R 12-4	.750	.750	.750	4.500	1.400	1.000	209031	117.57	205364	117.57
DCLNL/R 16-4	1.000	1.000	1.000	4.500	1.400	1.250	210924	124.43	195394	124.43
DCLNL/R 20-4	1.250	1.250	1.250	6.000	1.500	1.500	206611	138.14	206476	138.14

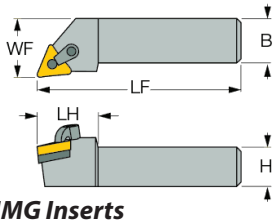
*Manufacturer part number listed.



DDJNL/R Tool Holders for DNMG Inserts

Designation	h	h1	b	l1	l2	f	A.C.T. No. Left	Special Price $	Right	Special Price $
DDJNL/R 12-4	.750	.750	.750	4.500	1.540	1.000	203030	117.57	241822	117.57
DDJNL/R 16-4	1.000	1.000	1.000	6.000	1.540	1.250	214706	124.43	192143	124.43

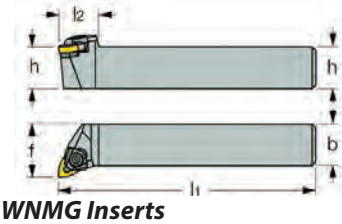
*Manufacturer part number listed.



MTJNL/R Tool Holders for TNMG Inserts

Designation	h	h1	b	l1	l2	f	A.C.T. No. Left	Special Price $	Right	Special Price $
MTJNL/R 16-4	1.000	1.000	1.000	6.000	1.540	1.250	68443	Contact your nearest ACT Branch for Special Pricing	300873	Contact your nearest ACT Branch for Special Pricing
MTJNL/R 20-4	1.250	1.250	1.250	6.000	1.540	1.250	3670328*	Contact your nearest ACT Branch for Special Pricing	137183	Contact your nearest ACT Branch for Special Pricing

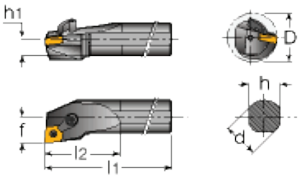
*Manufacturer part number listed.



MWLNL/R Tool Holders for WNMG Inserts

Designation	h	h1	b	l1	l2	f	A.C.T. No. Left	Special Price $	Right	Special Price $
MWLNL/R 12-4	.750	.750	.750	4.500	1.250	1.000	110899	117.57	122784	117.57
MWLNL/R 16-4	1.000	1.000	1.000	6.000	1.250	1.250	111831	124.43	110135	124.43
MWLNL/R 20-4	1.250	1.250	1.250	6.000	1.250	1.500	114318	139.12	80290	139.12

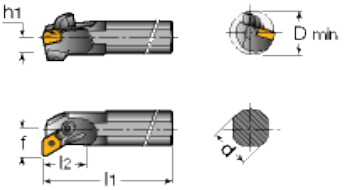
ISO Boring Bars



A-MCLNL/R to A-MCLNL/R Boring Bars for CNMG Inserts

Designation	d	f	l1	l2	h	h1	Dmin	A.C.T. No. Left	Special Price $	Right	Special Price $
A-MCLNL/R 16-4	1.000	.640	12.000	1.570	.906	.453	1.400	251808	Contact your nearest ACT Branch for Special Pricing	169511	Contact your nearest ACT Branch for Special Pricing
A-MCLNL/R 20-4	1.250	.770	12.000	-	1.142	.571	1.530	-	-	169512	Contact your nearest ACT Branch for Special Pricing

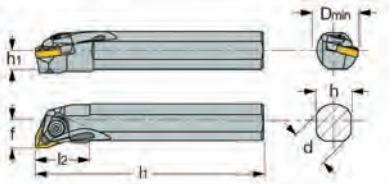
*Manufacturer part number listed.



A-MDUNL/R to A-MDUNL/R Boring Bars for DNMG Inserts

Designation	d	f	l1	l2	h1	Dmin	A.C.T. No. Left	Special Price $	Right	Special Price $
A-MDUNL/R 12-3	.750	.630	8.000	1.380	.343	1.160	3606579*	379.15	107317	379.15
A-MDUNL/R 16-3	1.000	.670	10.000	1.580	.461	1.250	3606580*	413.44	116978	413.44
A-MDUNL/R 20-3	1.250	.880	12.000	1.770	.571	1.580	3601243*	Contact your nearest ACT Branch for Special Pricing	123030	490.83

*Manufacturer part number listed.



A-MWLNL/R to A-MWLNL/R Boring Bars for WNMG Inserts

Designation	d	f	l1	l2	h	h1	Dmin	A.C.T. No. Left	Special Price $	Right	Special Price $
A-MWLNL/R 16-4	1.000	12.000	1.380	.640	.910	.460	1.220	3601360*	386.99	114124	386.99
A-MWLNL/R 20-4	1.250	14.000	1.770	.770	1.140	.571	1.460	142998	Contact your nearest ACT Branch for Special Pricing	117910	442.83
A-MWLNL/R 24-4	1.500	14.000	2.160	.890	1.420	.720	1.760	143000	491.81	113452	491.81

*Manufacturer part number listed.

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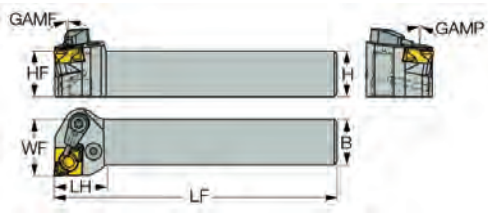
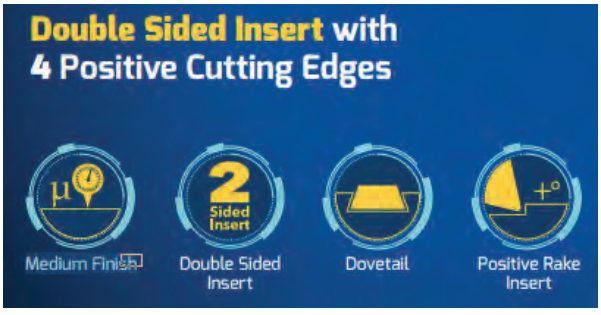
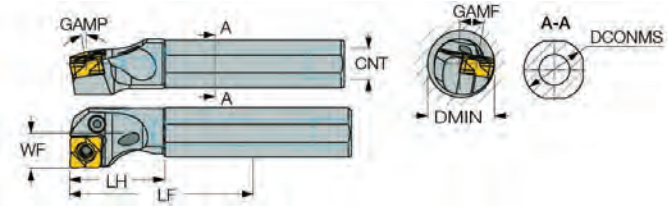




PCLXL/R Tool Holders for CXMG 80° Double-Sided and Double-Positive Inserts

Designation	B	H	HF	LF	LH	WF	COOLANT	A.C.T. No. Left	Special Price $	Right	Special Price $
PCLXL/R 08-3X	.500	.500	.500	3.250	.875	.625	N	324975	134.22	317575	134.22
PCLXL/R 08-3X-JHP	.500	.500	.500	3.250	.875	.625	Y	3339535*	333.10	3339536*	333.10
PCLXL/R 10-3X	.625	.625	.625	4.000	.800	.800	N	3345542*	134.22	317671	134.22
PCLXL/R 10-3X-JHP	.625	.625	.625	4.000	.800	.800	Y	3339533*	333.10	3339534*	333.10
PCLXL/R 12-4X	.750	.750	.750	4.500	1.000	1.000	N	3345536*	117.57	317483	117.57
PCLXL/R 12-4X-JHP	.750	.750	.750	4.500	1.000	1.000	Y	3336067*	266.48	3336055*	266.48
PCLXL/R 16-4X	1.000	1.000	1.000	6.000	1.000	1.250	N	324314	123.45	316811	123.45
PCLXL/R 16-4X-JHP	1.000	1.000	1.000	6.000	1.000	1.250	Y	3336069*	284.12	317708	284.12

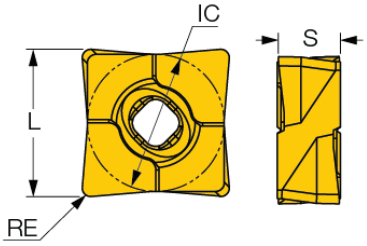
*Manufacturer part number listed.



A-PCLXL/R Boring Bars for CXMG 80° Double-Sided and Double-Positive Inserts

Designation	DCONMS	LF	LDRED	WF	HF	DMIN	A.C.T. No. Left	Special Price $	Right	Special Price $
A-PCLXL/R 10-3X	.625	7.000	1.180	.433	.0000	.750	323742	320.37	316276	320.37
A-PCLXL/R 12-3X	.750	8.000	1.180	.512	.000	1.000	3346714*	353.68	316925	353.68
A-PCLXL/R 16-3X	1.000	10.000	1.570	.670	.000	1.250	318109	386.99	316926	386.99

*Manufacturer part number listed.



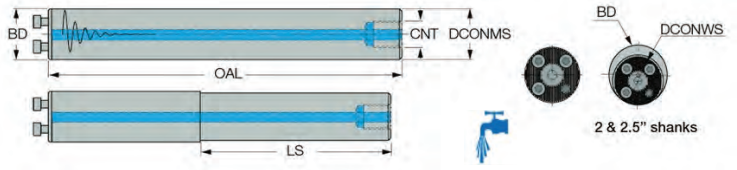
CXMG 80° Double-Sided and Double-Positive Inserts

Designation	L	IC	S	RE	ft(min)	ft(max)	ap(min)	ap(max)	A.C.T. No.	Special Price $
Steel										
CXMG 090404-F3P IC8150	.409	.382	.183	.0157	.0020	.0098	.016	.079	316927	13.45
CXMG 090408-M3P IC8250	.406	.382	.183	.0315	.0039	.0197	.031	.118	316281	13.45
CXMG 12T504-F3P IC8150	.544	.504	.228	.0157	.0020	.0098	.016	.079	323228	17.76
CXMG 12T508-F3P IC8150	.541	.504	.228	.0315	.0020	.0098	.031	.079	3336027*	17.76
CXMG 12T508-M3P IC8250	.541	.504	.228	.0315	.0039	.0197	.031	.197	316812	17.76
CXMG 12T512-M3P IC8250	.539	.504	.228	.0472	.0039	.0197	.047	.197	3346718*	17.76
Stainless Steel										
CXMG 090404-F3M IC807	.409	.382	.183	.0157	.0020	.0098	.016	.079	318372	12.31
CXMG 090408-M3M IC6025	.406	.382	.183	.0315	.0059	.0197	.031	.118	316282	13.45
CXMG 12T504-F3M IC807	.544	.504	.228	.0157	.0020	.0098	.016	.079	326752	16.14
CXMG 12T508-F3M IC807	.541	.504	.228	.0315	.0020	.0098	.031	.079	3336035*	16.14
CXMG 12T508-M3M IC6025	.541	.504	.228	.0315	.0059	.0197	.031	.197	324315	17.76
CXMG 12T512-M3M IC6025	.539	.504	.228	.0472	.0059	.0197	.047	.197	326088	17.76

*Manufacturer part number listed.

WHISPERLINE Straight Shank

AV-D : Anti-Vibration bars with through coolant for interchangeable turning heads.



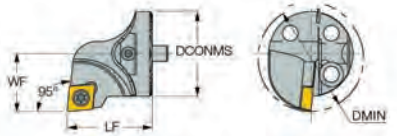
Contact ACT for pricing

Designation	DCONMS	DCONWS	BD	OAL	LS	OHX	CNT	BMC	A.C.T. No.
AV-D.625-7D-C	.625	.630	.630	6.140	3.60	3.500	G 1/8	S	321311
AV-D.625-10D-E	.625	.630	.630	8.030	5.22	5.500	-	H	321310
AV-D.750-10D-E	.750	.787	.787	10.240	6.77	7.000	-	H	321312
AV-D1.00-7D-C	1.00	.984	.984	10.200	6.83	6.200	G1/4	S	321315
AV-D1.00-10D-C	1.00	.984	.984	13.210	8.65	9.200	G1/4	S	321314
AV-D1.25-10D-C	1.250	1.260	1.260	16.240	9.67	11.200	G3/8	S	321316
AV-D1.50-10D-C	1.500	1.575	1.575	19.800	13.35	13.700	G1/2	S	321317
AV-D2.00-10D-C	2.00	1.575	2.000	26.730	-	18.700	G1/2	S	321318
AV-D2.50-10D-C	2.500	1.575	2.000	33.720	-	23.700	G3/4	S	321319

**Manufacturer part number listed.*

AVC-SCLCR/L

Interchangeable Boring Heads for 80° Rhombic Inserts



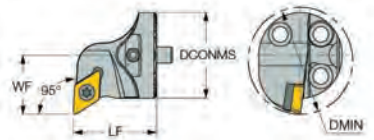
Contact ACT for pricing

Designation	WF	DCONMS	DMIN	LF	A.C.T. No. Left	A.C.T. No. Right
AVC-D16-SCLCL/R-06	0.433	0.63	0.787	0.787	3331852*	309069
AVC-D20-SCLCL/R-09	0.512	0.787	0.984	0.787	3331853*	313110
AVC-D25-SCLCL/R-09	0.669	0.984	1.260	0.787	321401	312032
AVC-D32-SCLCL/R-09	0.866	1.260	1.575	1.260	3331857*	309072
AVC-D40-SCLCL/R-12T	1.063	1.575	1.968	1.496	3331859*	307713

**Manufacturer part number listed.*

AVC-SDUCL/R

Interchangeable Boring Heads Carrying the 55° Rhombic Inserts with 7° Clearance



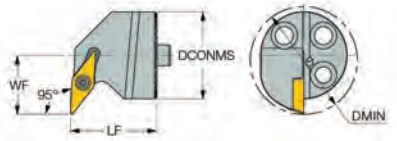
Contact ACT for pricing

Designation	WF	DCONMS	DMIN	LF	A.C.T. No. Left	A.C.T. No. Right
AVC-D16-SDUCL/R-07	0.433	0.630	0.787	0.787	3331861*	311725
AVC-D20-SDUCL/R-11	0.512	0.787	0.984	0.787	3331863*	311228
AVC-D25-SDUCL/R-11	0.669	0.984	1.260	0.787	3331865*	308753
AVC-D32-SDUCL/R-11T	0.866	1.260	1.575	1.260	308230*	308229
AVC-D40-SDUCL/R-11T	1.063	1.575	1.968	1.260	3331869*	307681

**Manufacturer part number listed.*

AVC-SVUCL/R

Interchangeable Boring Heads for 35° Rhombic Inserts with 7° Clearance



Contact ACT for pricing

Designation	WF	DCONMS	DMIN	LF	A.C.T. No. Left	A.C.T. No. Right
AVC-D20-SVUCL/R-11	0.630	0.787	1.063	0.787	3331871*	309071*
AVC-D25-SVUCL/R-11	0.669	0.984	1.260	0.984	3331873*	327647*

**Manufacturer part number listed.*

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Member IMC Group

CNMG

Designation	Sample Price $
CNMG 32…	
CNMG 33…	
CNMG 43…	
CNMG 432-TF IC907	10.19
CNMG 54…	
CNMG 64…	

CNMM

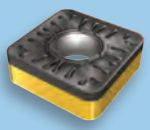
Designation	Sample Price $
CNMM 43…	
CNMM 54…	
CNMM 64…	
CNMM 643-NM IC8250	25.01

DNMG

Designation	Sample Price $
DNMG 33…	
DNMG 43…	
DNMG 432-TF IC907	13.87
DNMG 44…	

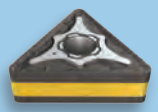
SNMG

Designation	Sample Price $
SNMG 33…	
SNMG 43…	
SNMG 432-TF IC907	9.62
SNMG 54…	
SNMG 64…	
SNMG 86…	



SNMM

Designation	Sample Price $
SNMM 54…	
SNMM 64…	
SNMM 646-H3P IC8250	22.03
SNMM 86…	



TNMG

Designation	Sample Price $
TNMG 32…	
TNMG 33…	
TNMG 43…	
TNMG 432-TF IC907	11.90
TNMG 54…	

VNMG

Designation	Sample Price $
VNMG 2.5…	
VNMG 33…	
VNMG 331-NF IC907	16.08

WNMG

Designation	Sample Price $
WNMG 3-…	
WNMG 33…	
WNMG 332-TF IC907	8.61
WNMG 43…	
WNMG 64…	

804
Hard Nickel Base Alloys

806
Inconel

807
All round General Purpose Grade

830
Stainless Steel
High Temperature and Alloy Steel.
Unstable Conditions

907
Heat Resistant
Alloy, Stainless Steel

6015
Stainless High Speed
Stable Conditions

6025
Stainless Unfavorable Conditions

8150
Steel Hard High Speed
Stable Conditions

8250
Steel General Use

8350
Steel Unstable Conditions

5005
Modular Cast Iron

5010
Grey Cast Iron

Contact Your Local A.C.T. Branch for Special Prices

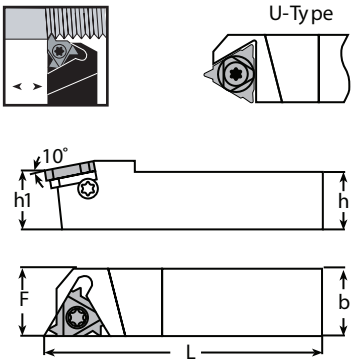
Threading Holders and Inserts

These holders offer excellent rigidity in both internal and external threading applications. They accommodate a wide range of inserts in 55° and 60° partial profile as well as the following full profile and special thread styles:

- ISO metric full profile
- American UN full profile
- Whitworth full profile
- NPT/NPTF full profile
- BSPT full profile
- ACME & STUB ACME
- American Buttress
- API Oil Threads
- Round DIN 405
- UNJ
- Trapeze DIN 103
- SAGE DIN 513

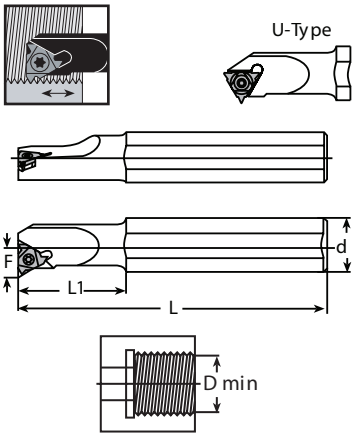
Holders - External

Designation	H	h_1	b	L	F	Insert	A.C.T. No. Left	Special Price $	Right	Special Price $
SEL/R 0375 H11	.380	.380	.380	4.000	.430	11ER/L	183645	Contact your nearest ACT Branch for Special Pricing	183650	140.39
SEL/R 0375 D16	.380	.380	.380	2.500	.630	16ER/L	183644	143.42	-	-
SEL/R 0500 F16	.500	.500	.500	3.250	.630	16ER/L	183646	140.39	56647	140.39
SEL/R 0625 H16	.630	.630	.630	4.000	.630	16ER/L	183647	143.42	88667	143.42
SEL/R 0750 K16	.750	.750	.750	5.000	.750	16ER/L	85954	143.42	60018	143.42
SEL/R 1000 M16	1.000	1.000	1.000	6.000	1.000	16ER/L	67881	159.58	64687	159.58
SEL/R 1000 M22	1.000	1.000	1.000	6.000	1.000	22ER/L	65736	170.69	62416	170.69
SEL/R 1250 P16	1.250	1.250	1.250	7.000	1.250	16ER/L	55960	Contact your nearest ACT Branch for Special Pricing	84524	208.06
SEL/R 1250 P22	1.250	1.250	1.250	7.000	1.250	22ER/L	133748	Contact your nearest ACT Branch for Special Pricing	109740	213.11
SEL/R 1500 R22	1.500	1.500	1.500	8.000	1.500	22ER/L	183648	Contact your nearest ACT Branch for Special Pricing	183651	287.85

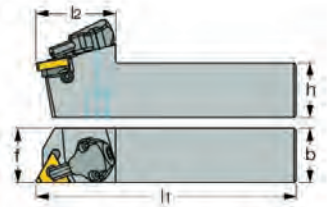


Holders - Internal

Designation	d	L	L_1	D_{min}	F	Insert	A.C.T. No. Left	Special Price $	Right	Special Price $
SIL/R 0375 H11	.380	4.000	-	.470	.290	11IR/L	104374	129.28	200190	129.28
SIL/R 0375 K11	.620	5.000	1.000	.470	.260	11IR/L	183652	129.28	104455	129.28
SIL/R 0500 L11	.620	5.500	1.250	.630	.320	11IR/L	183653	135.34	60023	135.34
SIL/R 0500 M16	.620	6.000	1.250	.640	.390	16IR/L	99888	135.34	88453	135.34
SIL/R 0625 P16	.750	7.000	1.500	.750	.450	16IR/L	96466	141.40	61832	141.40
SIL/R 0750 P16	.750	7.000	-	1.000	.510	16IR/L	70453	205.03	201058	205.03
SIL/R 0750 P22	.750	7.000	-	.950	.510	22IR/L	183654	202.00	100964	202.00
SIL/R 1000 R16	1.000	8.000	-	1.200	.650	16IR/L	200139	234.32	201059	234.32
SIL/R 1000 R22	1.000	8.000	-	1.200	.710	22IR/L	117251	251.49	55967	251.49
SIL/R 1250 S16	1.250	10.000	-	1.420	.770	16IR/L	142691	271.69	55968	271.69
SIL/R 1250 S22	1.250	10.000	-	1.500	.850	22IR/L	142995	285.83	162610	285.83
SIL/R 1500 T16	1.500	12.000	-	1.650	.900	16IR/L	97832	323.20	200141	323.20
SIL/R 1500 T22	1.500	12.000	-	1.750	.980	22IR/L	183655	Contact your nearest ACT Branch for Special Pricing	200142	327.24



ISO Threading Tool Holders with Coolant Through



Designation	h	b	h1	l1	l2	f	A.C.T. No. Left	Special Price $	Right	Special Price $
SER 0750 K16-JHP	.750	.750	.750	5.000	1.453	.750	-	-	341060	322.19
SER/L 1000 M16-JHP	1.000	1.000	1.000	6.000	1.453	1.000	333051	359.56	317118	359.56

Online
www.ACTEquipment.com
Surrey
Phone: (604) 294-6271
Toll Free: 1 (800) 667-1504
Edmonton
Phone: (780) 462-1777
Toll Free: 1 (800) 661-5979

Threading Inserts

- ER/L - ground periphery and rake, ERB - with a chipformer and peripherally ground, ERM - with a chipformer for general industry

Partial Profile 60° Threading Inserts

Designation	Pitch ISO	Pitch UN	Hand	External A.C.T. No.	Special Price $	Internal A.C.T. No.	Special Price $
11ER/IRM A 60 IC908	.5-1.50	16-48	R	5902511*	18.05	263534	16.45
16ERM/IRM AG60 IC908	.5-3.00	8-48	R	130411	15.13	241337	16.52
16ERB/IRB AG60 IC908	.5-3.00	8-48	R	223539	18.05	223540	18.05
22ERM/IRM N 60 IC908	3.5-5.00	5-7	R	150953	19.24	183125	19.24

*Manufacturer part number listed.

UN Full Profile Threading Inserts

Designation	Pitch	Hand	External A.C.T. No.	Special Price $	Internal A.C.T. No.	Special Price $
11ER/IR 16UN IC908	16	R	142570	18.05	187029	18.05
16ER/IR 20UN IC908	20	R	213495	18.05	167709	18.05
16ERM/IRM 8UN IC908	8	R	183095	15.13	183121	15.13
16ER/IR 10UN IC908	10	R	152984	18.05	150604	18.05
16ER/IR 11UN IC908	11	R	211069	18.05	229588	18.05
16ERM/IRM 12UN IC908	12	R	130587	15.13	130584	15.13
16ERM/IRM 14UN IC908	14	R	161176	15.13	165179	15.13
16ERM/IRM 16UN IC908	16	R	130588	15.13	130585	15.13
16ERM/IRM 18UN IC908	18	R	130589	15.13	130586	15.13
16ERM/IRM 20UN IC908	20	R	129613	15.13	130593	15.13

NPT Full Profile Threading Inserts

Designation	Pitch	Hand	External A.C.T. No.	Special Price $	Internal A.C.T. No.	Special Price $
16ERM/IRM 8 NPT IC908	8	R	-	-	130609	15.13
16ERM/IRM 11.5 NPT IC908	11.5	R	130607	15.13	130610	15.13
16ERM/IRM 14 NPT IC908	14	R	250639	16.52	250640	16.52
16ERM/IRM 18 NPT IC908	18	R	292475	16.52	183115	18.05
16ER/IR 27 NPT IC908	27	R	183091	18.05	5996115*	18.05

*Manufacturer part number listed.

ISO Full Profile Threading Inserts

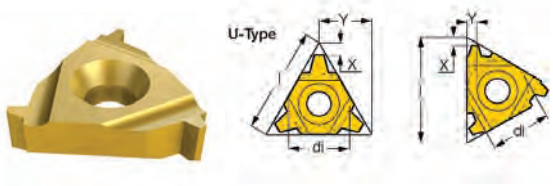
Designation	Pitch	Hand	External A.C.T. No.	Special Price $	Internal A.C.T. No.	Special Price $
11ER/IR .50ISO IC908	0.5	R	183062	17.22	183071	18.05
11ER/IR 1.00ISO IC908	1	R	183063	18.05	183072	18.05
11ER/IR 1.25ISO IC908	1.25	R	183064	18.05	183073	18.05
16ERM/IRM 1.00ISO IC908	1	R	140386	15.13	158820	15.13
16ERM/IRM 1.25ISO IC908	1.25	R	138248	15.13	183118	15.13
16ERM/IRM 1.50ISO IC908	1.5	R	133125	15.13	183119	15.13

*Manufacturer part number listed.

External ACME Profile Threading Inserts

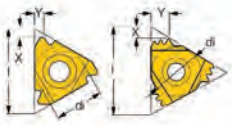
Designation	TPI	A.C.T. No. Left	Special Price $	A.C.T. No. Right	Special Price $
16EL/R 10 ACME IC50M	10	5900423*	Contact your nearest ACT Branch for Special Pricing	288149	20.84
16EL/R 8 ACME IC908	8	309307	20.84	163319	20.84
22EL/R 6 ACME IC908	6	310145	26.21	165572	26.21
22EL/R 5 ACME IC908	5	205801	26.21	5901755*	Contact your nearest ACT Branch for Special Pricing
22EL/R 4 ACME IC908	4	336210	26.21	279811	26.21
27EL/R 4 ACME IC908	4	221199	39.24	221436	39.24
22UERL 4 ACME IC908	4	5902425*	26.21	5902425*	26.21
27UERL 3 ACME IC908	3	292067	39.24	292067	39.24

*Manufacturer part number listed.



External API Full Profile Threading Inserts

Designation	TPI	Size	A.C.T. No.	Special Price $
22ER 5 API 403 IC908	5	2.375"-4.5"REG	289071	26.21
27ER 4 API 382 IC908	4	NC23-NC50	310695	39.24
27ER 4 API 383 IC908	4	NC56-NC77	311129	39.24
27ER 4 API 502 IC908	4	6-5/8" REG	269974	39.24



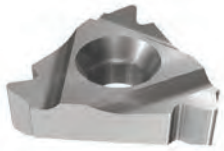
External Stub ACME Full Profile Threading Inserts

Designation	TPI	A.C.T. No. Left	Special Price $	A.C.T. No. Right	Special Price $
16EL/R 10 STACME IC50M	10	285725	15.68	188481	20.84
16EL/R 8 STACME IC908	8	282580	20.84	187813	20.84
16EL/R 6 STACME IC908	6	336862	20.84	224377	20.84
22ER 5 STACME IC908	5	-	-	340228	26.21
27ER 4 STACME IC908	4	-	-	215908	39.24

External API Full Profile Threading Inserts

Designation	TPI	A.C.T. No.	Special Price $
16ER 10 API RD IC908	10	197422	20.84
16ER 8 API RD IC908	8	187028	20.84
22ER 10 API RD 2M IC908	10	5902454*	39.24

*Manufacturer part number listed.



MULTIFGRIP HIGH FEED GRIP HOLDER

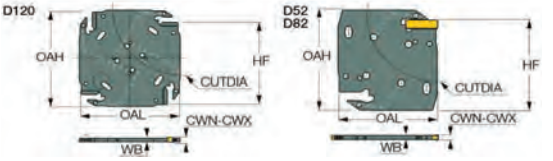
Member IMC Group

- Outstanding stability, vibration free parting system also on big diameters
- Improves inserts life, surface finish and workpiece straightness due to robust design
- Enables reduction of cutting width due to excellent stability, leading to material savings
- Ø4.72" bar can be cut with only .118" insert width
- Guarantees high productivity, especially when using TAG N. . .HF inserts with feed of up to .0157 ipr"
- Guarantees high productivity, especially when using TAG N. . .HF inserts with feed of up to .0157 ipr"
- User friendly, easy to operate
- Saves set up time after pocket replacement - adapter can be positioned with new pocket without set up"
- Several adapters can be clamped on one tool block
- The tools and adapters are designed for JET-CUT cooling up to 2000 PSI (non-coolant through adapters available)

DOFGRIP TWISTED 2-SIDED

Designation	OAL	OAH	CWN	CWX	WB	HF	CUTDIA	A.C.T. No	Special Price $
DGAQ D52-2-2Z-JHP	1.968	1.97	0.075	0.098	0.068	1.713	2.05	3367513*	170.69
DGAQ D52-3-2Z-JHP	1.968	1.97	0.118	0.125	0.098	1.713	2.05	3367515*	170.69
DGAQ D52-4-2Z-JHP	1.968	1.97	0.157	0.157	0.126	1.713	2.05	3370472*	170.69
DGAQ D82-3-2Z-JHP	2.402	2.54	0.118	0.125	0.098	2.283	3.23	3367516*	185.84
DGAQ D82-4-2Z-JHP	2.402	2.54	0.157	0.157	0.126	2.283	3.23	3367517*	185.84
DGAQ D82-5-4Z-JHP	2.402	2.54	0.197	0.197	0.157	2.283	3.23	3370473*	185.84
DGAQ D120-4-4Z-JHP	3.563	3.56	0.157	0.157	0.126	3.307	4.72	3367519*	241.39
DGAQ D120-5-4Z-JHP	3.563	3.56	0.197	0.197	0.157	3.307	4.72	3367520*	241.39

*Manufacturer part number listed.

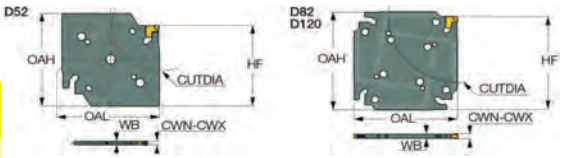


TANGFGRIP HIGH FEED PARTING

New D160 size now available allowing part off up to 160mm/6.30" diameter in 3, 4 and 5mm widths!

Designation	OAL	OAH	CWN	CWX	WB	HF	CUTDIA	A.C.T. No	Special Price $
TGAQ D52-2-2Z-JHP	1.968	1.97	0.071	0.098	0.065	1.713	2.05	329238	170.69
TGAQ D52-3-2Z-JHP	1.968	1.97	0.11	0.138	0.098	1.713	2.05	329825	170.69
TGAQ D52-4-2Z-JHP	1.968	1.97	0.146	0.177	0.134	1.713	2.05	3370469*	170.69
TGAQ D82-2-4Z-JHP	2.402	2.4	0.071	0.098	0.065	2.283	3.23	325151	185.84
TGAQ D82-3-4Z-JHP	2.402	2.4	0.11	0.138	0.098	2.283	3.23	331103	185.84
TGAQ D82-4-4Z-JHP	2.402	2.4	0.146	0.177	0.134	2.283	3.23	327541	185.84
TGAQ D120-3-4Z-JHP	3.563	3.56	0.11	0.138	0.098	3.307	4.72	325784	241.39
TGAQ D120-4-4Z-JHP	3.563	3.56	0.146	0.177	0.134	3.307	4.72	327104	241.39
TGAQ D120-5-4Z-JHP	3.563	3.56	0.185	0.217	0.157	3.307	4.72	3370471*	241.39

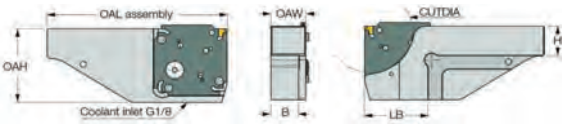
*Manufacturer part number listed.



MULTIFGRIP HIGH FEED GRIP HOLDER

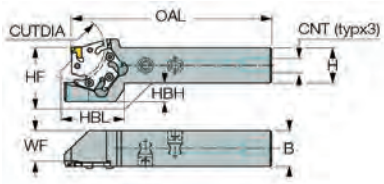
Designation	OAH	H	B	OAW	OAL	LB	CUTDIA	A.C.T. No	Special Price $
TGTBQ 19L-D52-JHP	1.97	0.75	0.772	1.008	4.803	1.339	2.05	3367536*	423.19
TGTBQ 19R-D52-JHP	1.97	0.75	0.772	1.008	4.803	1.339	2.05	329237	423.19
TGTBQ 25.4L-D52-JHP	1.97	1	1.024	1.26	5.197	1.339	2.05	3367539*	441.37
TGTBQ 25.4R-D52-JHP	1.97	1	1.024	1.26	5.197	1.339	2.05	331661	441.37
TGTBQ 19L-D82-JHP	2.52	0.75	0.772	1.008	5.512	2.087	3.22	327542	423.19
TGTBQ 19R-D82-JHP	2.52	0.75	0.772	1.008	5.512	2.087	3.22	329082	423.19
TGTBQ 25.4L-D82-JHP	2.52	1	1.024	1.26	5.906	2.087	3.22	332478	441.37
TGTBQ 25.4R-D82-JHP	2.52	1	1.024	1.26	5.906	2.087	3.22	332213	441.37
TGTBQ 31.8L-D82-JHP	2.52	1.25	1.28	1.516	5.925	2.106	3.22	3367544*	465.61
TGTBQ 31.8R-D82-JHP	2.52	1.25	1.28	1.516	5.925	2.106	3.22	340557	465.61
TGTBQ 25.4L-D120-JHP	3.74	1	1.024	1.26	6.496	2.638	4.72	3367549*	506.01
TGTBQ 25.4R-D120-JHP	3.74	1	1.024	1.26	6.496	2.638	4.72	326094	506.01
TGTBQ 31.8L-D120-JHP	3.74	1.25	1.28	1.516	6.496	2.638	4.72	3367551*	533.28
TGTBQ 31.8R-D120-JHP	3.74	1.25	1.28	1.516	6.496	2.638	4.72	3367534*	533.28

*Manufacturer part number listed.



LOGIQ 5 GRIP PARTING & GROOVING — Parting and Grooving Blades

Member IMC Group



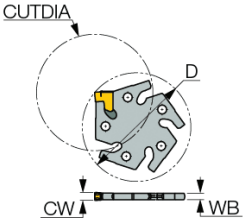
Designation	H	HF	HBH	B	WF	CUTDIA	OAL	HBL	CNT	A.C.T. No. Left	Special Price $	Right	Special Price $
THMPL/R 19-D45-JHP	.750	.752	.750	.750	.644	1.770	5.315	1.4	G1/8	3337184*	267.65	328322	267.65
THMPL/R 25.4-D45-JHP	1.000	1.004	.500	1.000	.896	1.770	5.315	1.4	G1/8	320501	286.84	3337181*	286.84

*Manufacturer part number listed.

TANG GRIP PARTING LINE — LOGIQ 5 Grip

Member IMC Group

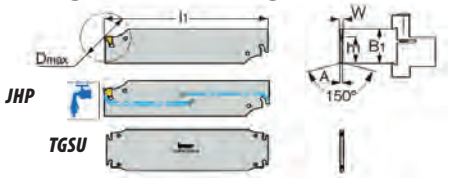
Ease of Use | High Pressure Coolant | New Generation | Cost Effective Insert



Designation	CWN	CWX	WB	D	CUTDIA	A.C.T. No.	Special Price $
ADMP D45-2.0	0.071	0.094	0.063	1.654	1.77	329009	159.58
ADMP D45-3.0	0.11	0.138	0.098	1.654	1.77	328323	159.58

*Manufacturer part number listed. † - JHP parting blades require a coolant through toolblock

TANG GRIP PARTING LINE — Parting and Grooving Blades



Designation	B1	W min	W max	A	l1	h1	D max	Key	A.C.T. No.	Special Price $
TGFH 26-3	1.024	.110	.138	.098	4.331	0.843	2.95	ETG 3-4	209130	122.21
TGFH 26-4	1.024	.146	.177	.134	4.331	0.843	3.15	ETG 3-4	220246	122.21
TGFH 32-3	1.260	.110	.138	.098	5.906	0.976	3.94	ETG 3-4	206427	132.31
TGFH 32C-3-JHP†	1.260	.110	.138	.098	5.906	0.976	3.94	ETG 3-4-SH	274180	200.99
TGFH 32-4	1.260	.146	.177	.134	5.906	0.976	3.94	ETG 3-4	206428	132.31
TGFH 32-4-JHP†	1.260	.146	.177	.134	5.906	0.976	3.94	ETG 3-4-SH	311004	200.99
TGSU 35-3-IQ-4Z	1.378	.110	.138	.098	7.087	1.307	4.72	ETG 3-4-SH	277233	137.36
TGSU 35-4-IQ-4Z	1.378	.146	.177	.134	7.087	1.307	4.72	ETG 3-4-SH	281153	137.36

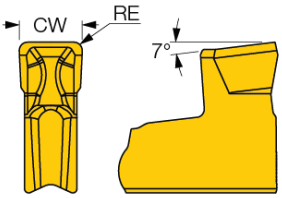
*Manufacturer part number listed. † - JHP parting blades require a coolant through toolblock

Inserts

TAG-C: Used for parting bars, hard materials and tough applications. A positive rake, single cavity with a negative land and shoulders. Medium-to-high feeds.
TAG-JT : First choice for soft materials, parting of tubes, small diameters and thin-walled parts. General applications on low carbon, alloy and austenitic stainless steel. Low-to-medium feeds.
TAG N-HF : First choice for the parting of bars, hard materials and tough applications. A positive rake, single cavity, negative land and shoulders, provides extra cutting-edge strength, suitable for very high feeds.

Designation	W	W tol (±)	R	fg (min)	fg (max)	A.C.T. No.	Special Price $
TAG N2C IC808	.079	.0020	.0063	.0016	.0039	233731	16.54
TAG N2JT IC830	.079	.0016	.008	.0016	.0039	252280	16.54
TAG N3C IC808	.120	.0020	.0079	.0039	.0098	232735	17.38
TAG N3JT IC830	.120	.0016	.0080	.0020	.0071	252281	17.38
TAG N3HF IC808	.118	.00157	.157	.0098	.0138	321567	17.38
TAG N4C IC808	.157	.0020	.0094	.0039	.0118	230339	18.60
TAG N4JT IC830	.157	.0016	.0090	.0024	.0079	265016	18.60
TAG N4HF IC808	.157	.00157	.0197	.0118	.0157	319724	18.60

*Manufacturer part number listed. † - JHP parting blades require a coolant through toolblock



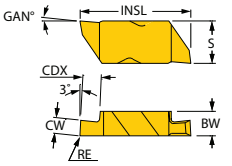
FULLY COMPATIBLE WITH STANDARD MARKET NOTCH TYPE TOOL HOLDERS

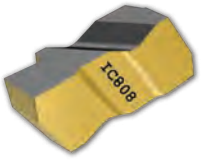
Member IMC Group

NOTCH GRIP GROOVE-TURN LINE — ING R/L and INGD R/L Precision Double-Ended Flat Top Grooving Inserts

Designation	CW	CDX	RE	BW	S	INSL	fg (min)	fg (max)	A.C.T. No. Left	A.C.T. No. Right	Special Price $
ING3031L/R IC808	.031	.050	.0035	.195	.341	.900	.0008	.0016	6405499*	317590	22.50
ING3047L/R IC808	.047	.075	.0075	.195	.341	.900	.0008	.0016	306520	274718	22.50
ING3058L/R IC808	.058	.094	.0075	.195	.341	.900	.0012	.0020	297276	297105	22.50
ING3062L/R IC808	.062	.094	.0075	.195	.341	.900	.0016	.0024	278979	272975	22.50
INGD3062L/R IC808	.062	.120	.0070	.195	.344	.890	.0016	.0024	320237	309218	22.50
ING3072L/R IC808	.072	.094	.0075	.195	.341	.900	.0016	.0024	332451	331673	22.50
ING3078L/R IC808	.078	.094	.0075	.195	.341	.900	.0016	.0024	6405481*	313927	22.50
ING3088L/R IC808	.088	.094	.0075	.195	.341	.900	.0020	.0035	279426	6405385*	22.50
ING3094L/R IC808	.094	.150	.0075	.195	.195	.900	.0020	.0031	272972	272971	22.50
INGD3094L/R IC807	.094	.250	.0070	.195	.644	.990	.0020	.0031	311046	323101	19.16
ING3097L/R IC808	.097	.150	.0126	.195	.195	.900	.0024	.0039	6405484*	6405387*	22.50
ING3105L/R IC808	.105	.150	.0075	.195	.195	.900	.0027	.0043	6405485*	313819	22.50
ING3110L/R IC808	.110	.150	.0126	.195	.195	.900	.0027	.0043	336063	335183	22.50
ING3122L/R IC808	.122	.150	.0075	.195	.195	.900	.0027	.0043	6405487*	325040	22.50
ING3125L/R IC808	.125	.150	.0075	.195	.341	.900	.0031	.0051	272974	272973	22.50
INGD3125L/R IC807	.125	.250	.0070	.195	.344	.990	.0031	.0047	306178	304313	19.16
ING3142L/R IC808	.142	.150	.0126	.195	.341	.900	.0035	.0059	327125	327126	22.50
ING3156L/R IC808	.156	.150	.0075	.195	.341	.900	.0039	.0079	278975	278976	22.50
ING3178L/R IC808	.178	.150	.0075	.195	.341	.900	.0043	.0083	6405491*	6405379*	22.50
ING3185L/R IC808	.185	.150	.0224	.195	.341	.900	.0043	.0087	315172	325029	22.50
ING3189L/R IC808	.189	.150	.0224	.195	.341	.900	.0043	.0087	278980	278982	22.50
INGD3189L/R IC807	.189	.250	.0020	.195	.344	.988	.0039	.0079	334796	331057	19.16
ING4125L/R IC807	.125	.250	.0070	.255	.453	1.122	.0031	.0047	6412063*	318476	31.55
ING4189L/R IC807	.189	.250	.0220	.255	.453	1.120	.0039	.0079	331924	6412066*	31.55
ING4250L/R IC807	.250	.250	.0220	.255	.453	1.120	.0039	.0087	6412067*	6412068*	31.55

*Manufacturer part number listed.



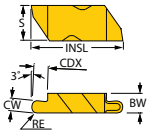


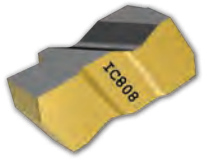
NOTCH GRIP GROOVE-TURN LINE — INR L/R Precision Double-Ended Flat Top Round Grooving Inserts

Member IMC Group

Designation	CW	CDX	RE	BW	S	INSL	fg(min)	fg(max)	A.C.T. No. Left	A.C.T. No. Right	Special Price $
ING3031L/RCB IC807	.031	.050	.0035	.195	.341	.900	.0008	.0016	6411913*	330893	23.64
ING3047L/RCB IC807	.047	.075	.0075	.195	.341	.900	.0008	.0016	323599	328018	23.64
ING3062L/RCB IC807	.062	.094	.0075	.195	.341	.900	.0016	.0024	321390	311047	23.64
ING3072L/RCB IC807	.072	.094	.0075	.195	.341	.900	.0016	.0024	6411919*	6411920*	23.64
ING3078L/RCB IC807	.078	.094	.0075	.195	.341	.900	.0016	.0024	6411921*	6411922*	23.64
ING3094L/RCB IC807	.094	.150	.0075	.195	.195	.900	.0020	.0031	319970	321552	23.64
INGD3094L/R IC807	.094	.250	.0070	.195	.644	.990	.0020	.0031	320236	320235	20.04
ING3125L/RCB IC807	.125	.150	.0075	.195	.341	.900	.0031	.0051	314703	312368	23.64
INGD3125L/R IC807	.125	.250	.0070	.195	.344	.990	.0031	.0047	317143	320234	20.04
ING3189L/RCB IC807	.189	.150	.0224	.195	.341	.900	.0043	.0087	336966	312365	23.64
ING4125L/RCB IC807	.125	.250	.0070	.255	.453	1.122	.0031	.0047	322221	322222	33.04
ING4189L/RCB IC807	.189	.250	.0220	.255	.453	1.120	.0039	.0079	6411931	6411932*	33.04
ING4250L/RCB IC807	.250	.250	.0220	.255	.453	1.120	.0039	.0087	6411933*	324660	33.04

*Manufacturer part number listed.

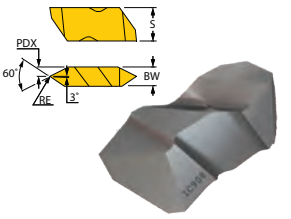




NOTCH GRIP GROOVE-TURN LINE — FLT Double-Ended, Precision 60° Threading Inserts

Designation	TPIIN	TPIIX	TPIEN	TPIEX	RE	PDX	BW	S	A.C.T. No.	Special Price $
FLT-3R IC908	7	20	8	36	0.003	0.07	0.15	0.219	304311	20.21
FLT-4R IC908	4	12	4	20	0.005	0.13	0.255	0.453	312552	25.31

*Manufacturer part number listed.



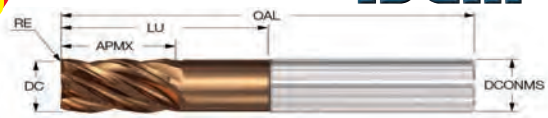
FLASHSOLID ECO SOLID LINE — ECI-4-VF: 4 Flute Endmill

SAVE 15%

Member IMC Group

Variable pitch with 38 degrees continuous helix to mitigate vibration, improving performance.
Performs well under heavy cutting conditions, up to full slotting applications. Excellent for most materials.

- Cylindrical Shank part numbers listed, Weldon Shank available for sizes over 5/16, specify when ordering.



						Corner Radius (RE)											
						0.000		0.015		0.030		0.060		0.090		0.125	
DC	APMX	LU	DCONMS	OAL	SHANK	A.C.T. No.	Price $	A.C.T. No.	Price $	A.C.T. No.	Price $	A.C.T. No.	Price $	A.C.T. No.	Price $	A.C.T. No.	
0.125	0.500	0.500	0.125	1.50	C	339418	30.34	334331	35.70	335996	35.70	-		-	-	-	-
0.188	0.625	0.625	0.188	2.00	C	339419	30.63	335294	36.06	335995	36.06	-		-	-	-	-
0.250	0.375	0.375	0.250	2.00	C	335218	22.11	337415	25.99	336001	25.99	3398121*	25.99	-	-	-	-
0.250	0.500	1.250	0.250	3.00	C	336880	36.06	335414	37.31	3398064*	37.31	3398122*	37.31	-	-	-	-
0.250	0.500	2.125	0.250	4.00	C	3398257*	42.01	337131	46.84	3398065*	46.84	3398123*	46.84	-	-	-	-
0.250	0.750	0.750	0.250	2.50	C	339246	22.43	338142	29.50	339047	29.50	3398124*	29.50	-	-	-	-
0.250	1.000	1.000	0.250	3.00	C	337397	28.85	3398008*	38.44	3398067*	38.44	3398125*	38.44	-	-	-	-
0.250	1.250	1.250	0.250	4.00	C	3398263*	36.06	3398009*	46.84	3398068*	46.84	3398126*	46.84	-	-	-	-
0.250	1.750	1.750	0.250	4.00	C	3398265*	39.69	339711	50.42	3398069*	50.42	338828	50.42	-	-	-	-
0.313	0.500	0.500	0.313	2.00	C	3398267*	30.57	336918	35.94	337823	35.94	3398000*	35.94	-	-	-	-
0.313	0.875	0.875	0.313	2.50	C	336895	35.16	335415	41.36	3398071*	41.36	340141	41.36	-	-	-	-
0.313	1.000	1.000	0.313	3.00	C	3398271*	40.41	337388	47.56	341407	47.56	3398129*	47.56	-	-	-	-
0.313	1.250	1.250	0.313	4.00	C	3398273*	50.54	3398014*	59.42	3398073*	59.42	3398130*	59.42	-	-	-	-
0.313	1.625	1.625	0.313	4.00	C	3398275*	50.54	337502	59.42	3398074*	59.42	3398131*	59.42	-	-	-	-
0.375	0.500	0.500	0.375	2.00	C	335219	37.25	3398016*	43.80	338687	43.80	3398132*	43.80	-	-	-	-
0.375	0.750	1.250	0.375	3.00	C	337498	57.63	3398017*	66.15	3398076*	66.15	3398133*	66.15	-	-	-	-
0.375	0.750	2.125	0.375	4.00	C	3398281*	71.51	336345	80.45	337593	80.45	3398134*	80.45	-	-	-	-
0.375	1.000	1.000	0.375	2.50	C	338521	42.85	342327	50.42	338655	50.42	3398135*	50.42	-	-	-	-
0.375	1.000	1.000	0.375	3.00	C	336896	49.28	3398020*	57.99	336413	57.99	3398136*	57.99	-	-	-	-
0.375	1.500	1.500	0.375	4.00	C	335208	60.19	3398021*	70.92	3398080*	70.92	3398137*	70.92	-	-	-	-
0.375	2.500	2.500	0.375	5.00	C	3398289*	72.11	3398022*	85.22	3398081*	85.22	3398138*	85.22	-	-	-	-
0.437	0.625	0.625	0.437	2.75	C	333389	49.28	333386	57.99	3398082*	57.99	3398139*	57.99	-	-	-	-
0.437	1.000	1.000	0.437	2.75	C	3398293*	49.28	3398024*	57.99	3398083*	57.99	3398140*	57.99	-	-	-	-
0.437	1.500	1.500	0.437	4.00	C	3398295*	64.96	3398025*	76.28	3398084*	76.28	3398141*	76.28	-	-	-	-
0.437	3.000	3.000	0.437	6.00	C	3398297*	91.18	341873	107.27	3398085*	107.27	3398142*	107.27	-	-	-	-
0.500	0.625	0.625	0.500	2.50	C	335220	46.96	3398027*	55.24	3398086*	55.24	3398143*	55.24	3398178*	55.24	341811	55.24
0.500	0.875	1.375	0.500	3.00	C	335569	72.11	3398028*	76.88	337903	76.88	3398144*	76.88	3398179*	76.88	3398214*	76.88
0.500	0.875	2.125	0.500	4.00	C	3398303*	89.98	337890	95.94	337132	95.94	339333	95.94	339984	95.94	3398215*	95.94
0.500	0.875	4.125	0.500	6.00	C	3398305*	111.44	338128	131.10	3398089*	131.10	3398146*	131.10	3398181*	131.10	3398216*	131.10
0.500	1.000	1.000	0.500	3.00	C	336681	53.99	335998	63.77	336352	63.77	3398147*	63.77	3398182*	63.77	3398217*	63.77
0.500	1.250	1.250	0.500	3.00	C	3398309*	59.36	3398032*	69.72	332350	69.72	339202	69.72	3398183*	69.72	3398218*	69.72
0.500	1.500	1.500	0.500	4.00	C	3398311*	67.34	334150	79.26	334151	79.26	3398149*	79.26	3398184*	79.26	337822	79.26
0.500	2.000	2.000	0.500	4.00	C	338515	74.49	339804	87.01	339888	87.01	336412	87.01	3398185*	87.01	3398220*	87.01
0.500	2.500	2.500	0.500	5.00	C	3398315*	84.03	3398035*	98.92	3398094*	98.92	3398151*	98.92	3398186*	98.92	3398221*	98.92
0.500	3.000	3.000	0.500	6.00	C	3398317*	101.31	334755	119.18	3398095*	119.18	3398152*	119.18	3398187*	119.18	3398222*	119.18
0.625	0.750	0.750	0.625	3.00	C	339420	91.77	3398001*	108.46	3398096*	108.46	3398153*	108.46	3398188*	108.46	3398223*	108.46
0.625	1.000	2.000	0.625	4.00	C	3398321*	113.82	3398037*	126.33	339358	126.33	3398154*	126.33	3398189*	126.33	3398224*	126.33
0.625	1.000	3.000	0.625	5.00	C	3398323*	138.25	336346	155.53	3398098*	155.53	3398155*	155.53	3398190*	155.53	3398225*	155.53
0.625	1.000	4.000	0.625	6.00	C	3398325*	151.96	338621	178.77	338549	178.77	3398156*	178.77	3398191*	178.77	3398226*	178.77
0.625	1.250	1.250	0.625	3.50	C	3398327*	91.77	342328	108.46	3398100*	108.46	3398157*	108.46	337316	108.46	3398227*	108.46
0.625	1.750	1.750	0.625	4.00	C	3398329*	106.07	3398041*	128.72	337820	128.72	3398158*	128.72	3398193*	128.72	333864	128.72
0.625	2.250	2.250	0.625	5.00	C	3398331*	132.29	3398042*	155.53	3398102*	155.53	3398159*	155.53	3398194*	155.53	3398229*	155.53
0.625	3.000	3.000	0.625	6.00	C	333422	151.96	334333	178.77	3398103*	178.77	3398160*	178.77	3398195*	178.77	3398230*	178.77
0.750	0.875	0.875	0.750	3.00	C	339421	119.78	3398044*	138.25	3398104*	138.25	3398161*	138.25	3398196*	138.25	3398231*	138.25
0.750	1.250	2.000	0.750	4.00	C	3398337*	138.85	3398045*	163.88	3398105*	163.88	3398162*	163.88	3398197*	163.88	332655	163.88
0.750	1.250	3.000	0.750	5.00	C	3398339*	174.01	3398046*	204.40	3398106*	204.40	3398163*	204.40	3398198*	204.40	337412	204.40
0.750	1.250	4.000	0.750	6.00	C	3398341*	208.57	3398047*	245.51	339712	245.51	3398164*	245.51	3398199*	245.51	3398234*	245.51
0.750	1.500	1.500	0.750	4.00	C	337456	138.85	3398048*	163.88	3398108*	163.88	3398165*	163.88	3398200*	163.88	3398235*	163.88
0.750	1.625	1.625	0.750	4.00	C	3398345*	138.85	341453	163.88	3398109*	163.88	3398166*	163.88	3398201*	163.88	3398236*	163.88
0.750	2.250	2.250	0.750	5.00	C	333925	174.01	332103	204.40	340590	204.40	3398167*	204.40	3398202*	204.40	3398237*	204.40
0.750	3.000	3.000	0.750	6.00	C	3398349*	208.57	3398051*	245.51	3398111*	245.51	333824	245.51	3398203*	245.51	3398238*	245.51
0.750	4.000	4.000	0.750	7.00	C	334343	240.15	3398052*	282.46	334313	282.46	333825	282.46	3398204*	282.46	3398239*	282.46
1.000	1.500	3.000	1.000	5.00	C	3398355*	278.89	3398054*	328.34	3398114*	328.34	3398171*	328.34	3398206*	328.34	3398241*	328.34
1.000	1.500	4.000	1.000	6.00	C	3398357*	321.19	3398055*	377.80	3398115*	377.80	3398172*	377.80	3398207*	377.80	3398242*	377.80
1.000	1.500	5.000	1.000	7.00	C	3398359*	352.78	3398056*	415.35	3398116*	415.35	3398173*	415.35	3398208*	415.35	3398243*	415.35
1.000	1.500	1.500	1.000	4.00	C	339422	223.47	3398053*	262.80	3398113*	262.80	3398170*	262.80	3398205*	262.80	3398240*	262.80
1.000	2.000	2.000	1.000	4.50	C	3398361*	242.54	3398057*	285.44	3398117*	285.44	3398174*	285.44	3398209*	285.44	3398244*	285.44
1.000	2.250	2.250	1.000	5.00	C	3398363*	278.89	3398058*	328.34	3398118*	328.34	3398175*	328.34	3398210*	328.34	3398245*	328.34
1.000	3.000	3.000	1.000	6.00	C	333561	321.19	3398059*	377.80	3398119*	377.80	3398176*	377.80	3398211*	377.80	3398246*	377.80
1.000	4.000	4.000	1.000	7.00	C	340701	352.78	3398060*	415.35	3398120*	415.35	3398177*	415.35	3398212*	415.35	3401355*	352.78

*Manufacturer part number listed.

CHATTERFREE SOLID MILL LINE ECI-H7/E7-CF Endmill For Finishing

Member IMC Group

SAVE 15%

- 7 flute endmills with different helix and variable pitch
- Can machine at radial width of cut (ae) of up to 0.10xD
- High speed / trochoidal milling and finishing operations

Designation	D	d	ap	L	Flute	Ha°	Rd°	Shank	fz(min)	fz(max)	A.C.T. No.	Special Price $
ECI-E7 125-250C250CF-M2.5 IC902	.125	.250	.250	2.500	7	37.0	3.0	C	.0012	.0028	5668477*	26.71
ECI-E7 188-375C250CF-M2.5 IC902	.188	.250	.375	2.500	7	37.0	3.0	C	.0012	.0028	5668478*	29.82
ECI-H7 250-1.5C250CF-3.5 IC902	.250	.250	1.500	3.500	7	37.0	1.0	C	.0012	.0028	317718	47.11
ECI-H7 250-500C250CF-2.5 IC902	.250	.250	.500	2.500	7	37.0	3.0	C	.0012	.0028	305389	30.13
ECI-H7 312-1.8C312CF-4 IC902	.312	.312	1.800	4.000	7	37.0	1.0	C	.0012	.0035	3339318*	74.66
ECI-H7 312-625C312CF-2.5 IC902	.312	.312	.625	2.500	7	37.0	3.0	C	.0012	.0035	5623408*	42.00
ECI-H7 375-2.25C375CF-5 IC902	.375	.375	2.250	5.000	7	37.0	1.0	C	.0012	.0039	3339319*	104.44
ECI-H7 375-750C375CF-3 IC902	.375	.375	.750	3.000	7	37.0	3.0	C	.0012	.0039	305390	59.11
ECI-H7 500-1.0C500CF-3.5 IC902	.500	.500	1.000	3.500	7	37.0	3.0	C	.0016	.0043	304447	84.44
ECI-H7 500-3.0C500CF-5.5 IC902	.500	.500	3.000	5.500	7	37.0	1.0	C	.0016	.0043	336240	143.55
ECI-H7 625-1.25C625CF-4 IC902	.625	.625	1.250	4.000	7	37.0	3.0	C	.0020	.0051	5623414*	133.32
ECI-H7 625-3.75C625CF-7 IC902	.625	.625	3.750	7.000	7	37.0	1.0	C	.0020	.0051	3339321*	226.65
ECI-H7 750-1.50C750CF-5 IC902	.750	.750	1.500	5.000	7	37.0	3.0	C	.0020	.0051	304771	218.20

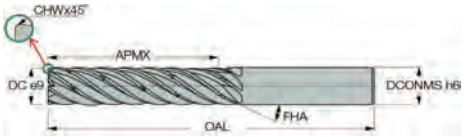
Manufacturer part number listed.

CHATTERFREE SOLID MILL LINE 7 Flute Solid Carbide Roughing Endmill

Member IMC Group

SAVE 15%

CHATTERFREE 7 flute solid carbide roughing endmills with 35-37° different helix and longchip splitting cutting edges for high stock removal rates.



Designation	DC	APMX	DCONMS	OAL	CHW	FHA	NOF	Shank	A.C.T. No.	Special Price $
ECPI-H7 250-1.0C250CF-3 IC902	0.25	1	0.25	3	0.008	36	7	C	324554	39.02
ECPI-H7 250-1.5C250CF-3.5 IC902	0.25	1.5	0.25	3.5	0.008	36	7	C	3339323*	50.67
ECPI-H7 312-1.2C312CF-3.5 IC902	0.312	1.26	0.312	3.5	0.008	36	7	C	3339333*	62.22
ECPI-H7 312-1.8C312CF-4 IC902	0.312	1.88	0.312	4	0.008	36	7	C	326680	80.44
ECPI-H7 375-1.5C375CF-4 IC902	0.375	1.5	0.375	4	0.012	36	7	C	3339335*	87.11
ECPI-H7 375-2.25C375CF-5 IC902	0.375	2.25	0.375	5	0.012	36	7	C	3339325*	112.88
ECPI-H7 500-2.0C500CF-4.5 IC902	0.5	2	0.5	4.5	0.012	36	7	C	321542	119.10
ECPI-H7 500-3.0C500CF-5.5 IC902	0.5	3	0.5	5.5	0.012	36	7	C	325702	155.10
ECPI-H7 625-2.5C625CF-5 IC902	0.625	2.5	0.625	5	0.012	36	7	C	323744	187.99
ECPI-H7 625-3.75C625CF-7 IC902	0.625	3.75	0.625	7	0.012	36	7	C	3339328*	244.42
ECPI-H7 750-3.0C750CF-5.5 IC902	0.75	3	0.75	5.5	0.016	36	7	C	324555	301.31

Manufacturer part number listed.

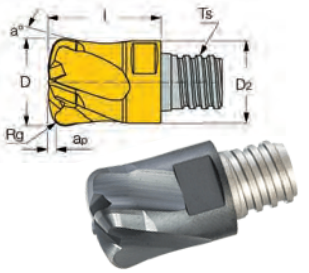
MULTI-MASTER INDEXABLE SOLID CARBIDE LINE Shanks and Heads

Member IMC Group

MULTI-MASTER INDEXABLE SOLID CARBIDE LINE is a family of tools with shanks and unique interchangeable heads for a variety of milling applications, including ball nose, square shoulder and slitting applications. Indexing is fast and convenient because of the simple threaded connection. Since the tool is not removed from the machine, set-up time is virtually eliminated by the speed of head replacement. MULTI-MASTER INDEXABLE SOLID CARBIDE LINE is a high-tech substitute for traditional HSS and solid carbide cutters. Excellent repeatability is now possible and resharpening is a thing of the past. Milling heads feature advanced pressed geometries with sharp-ground cutting edges.

MULTI-MASTER INDEXABLE SOLID CARBIDE LINE Heads - SOLIDFEEDMILL

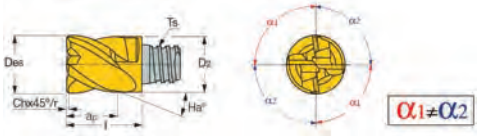
Interchangeable solid carbide SOLIDFEEDMILL heads with 4 or 6 flute, for milling at very high feed and small D.O.C.



Designation	D	Flute	ap	Ts	D2	l	a°	Rg	fz (min)	fz (max)	A.C.T. No.	Special Price $
MM EFF100T4R2.01-4T06 IC903	0.394	4	0.02	T06	0.374	0.512	7	0.079	0.0063	0.0224	285716	91.21
MM EFF120T4R2.47-4T08 IC903	0.472	4	0.024	T08	0.453	0.65	7	0.097	0.0063	0.0264	249160	115.53
MM EFF127T4R2.59-4T08 IC903	0.5	4	0.024	T08	0.48	0.65	7	0.102	0.0063	0.0264	263425	115.53
MM EFF160T5R3.25-4T10 IC903	0.63	4	0.031	T10	0.606	0.807	7	0.128	0.0079	0.0295	324109	178.94

MULTI-MASTER INDEXABLE SOLID CARBIDE LINE Heads - CHATTERFREE SOLID MILL LINE

MULTI-MASTER interchangeable solid carbide heads with 38° helix and variable pitch for roughing and finishing operations. High material removal rates chatter free. Used for machining alloyed and stainless steel and exotic materials.



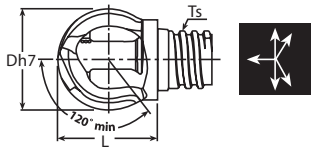
Designation	D	Ch	Flute	ap	Ts	D2	l	Ha°	fz (min)	fz (max)	A.C.T. No.	Special Price $
MM EC375E27C16CF-4T06 IC908	0.375	0.016	4	0.299	T06	0.37	0.512	38	0.001	0.004	252498	98.16
MM EC500E37C20CF-4T08 IC908	0.5	0.02	4	0.374	T08	0.488	0.65	38	0.0016	0.0043	229172	123.35
MM EC625E47C24CF-4T10 IC908	0.625	0.024	4	0.5	T10	0.602	0.81	38	0.002	0.005	240767	194.57

**Manufacturer part number listed.*

MULTI-MASTER INDEXABLE SOLID CARBIDE LINE Shanks and Heads

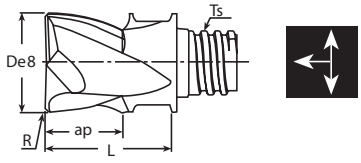
MULTI-MASTER INDEXABLE SOLID CARBIDE LINE Heads - Two-Flute Ball Nose End Mill

Designation	Dh7	Ts	L	A.C.T. No.	Special Price $
MM HBR.500-2T06 IC908	.500	T06	.482	165137	100.76
MM HBR.625-2T08 IC908	.625	T08	.606	173696	157.22
MM HBR.750-2T10 IC908	.750	T10	.710	183425	211.94



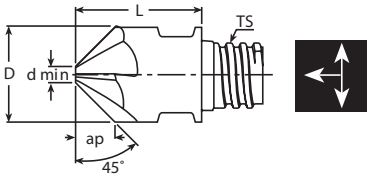
MULTI-MASTER INDEXABLE SOLID CARBIDE LINE Heads - End Mill for Aluminum - 45° Helix Angle

Designation	D	Flutes	ap	R	Ts	L	A.C.T. No.	Special Price $
MM EA.375B27R020-2T06 IC08	.375	2	.275	.020	T06	.512	150434	58.98
MM EA.500B37R020-2T08 IC08	.500	2	.374	.010	T08	.640	149152	73.75
MM EA.625B39R000-3T10 IC08	.625	3	.390	-	T10	.800	183365	121.61



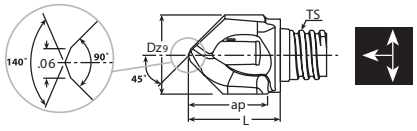
MULTI-MASTER INDEXABLE SOLID CARBIDE LINE Heads - 90° Inclusive Angle Countersink

Designation	D	Flutes	Dmin	ap	Ts	L	A.C.T. No.	Special Price $
MM ECF45-.375-4T06 IC908	.375	4	.073	.150	T06	.512	176496	83.91
MM ECF45-.500-4T08 IC908	.500	4	.077	.197	T08	.650	183381	105.10



MULTI-MASTER INDEXABLE SOLID CARBIDE LINE Heads - Two-Flute 90° Inclusive Angle Chamfering

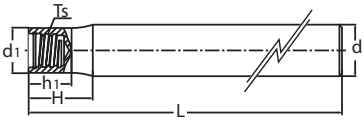
Designation	D	ap	Ts	L	A.C.T. No.	Special Price $
MM HCD104-090-2T06 IC908	.409	.354	T06	.463	164957	59.94
MM HCD120-090-2T08 IC908	.472	.276	T08	.610	183437	74.79
MM HCD124-090-2T08 IC908	.488	.469	T08	.604	183439	74.79
MM HCD160-090-2T10 IC908	.620	.591	T10	.748	176293	116.40
MM HCD165-090-2T10 IC908	.640	.591	T10	.748	183441	116.40



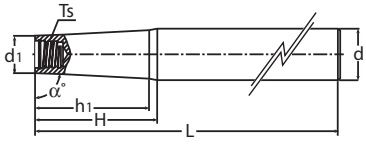
Iscar Grades: ***IC 908*** *An Economical Approach to Reduce Threading Costs to a Minimum. IC908 is a tough submicron PVD TiAlN coated grade and is suitable for threading at low-to-medium cutting speeds. This grade is designed for machining of heat-resistant alloys, austenitic stainless steel, hard alloys and carbon steels. It also performs well with interrupted cuts and under unfavorable machining conditions.*
IC 08 *An uncoated, fine grain carbide grade. Used mainly for aluminum, can also be used on stainless steel and high temperature alloys at low to medium cutting speeds.*

MULTI-MASTER INDEXABLE SOLID CARBIDE LINE Shanks

Designation	a°	C.Si	d	D_2	h	H	L	Style/d	A.C.T. No.	Special Price $
MM S-A-L2.58-W.625-T06	90	T06	.625	.366	-	.24	2.580	W.625	187220	109.08
MM S-A-L2.58-W.625-T08	90	T08	.625	.480	-	.12	2.580	W.625	178629	120.19
MM S-A-L2.75-W.750-T10	90	T10	.750	.598	-	.13	2.750	W.750	178631	130.29
MM S-A-L3.00-C.375-T06	90	T06	.375	.364	.510	.59	3.000	C.375	149134	109.08
MM S-A-L3.50-C.500-T08	90	T08	.500	.480	.530	.63	3.540	C.500	147436	120.19
MM S-A-L4.00-C.625-T10	90	T10	.625	.598	.680	.78	.157	C.625	178958	133.32
MM S-B-L5.50-C.625-T08	85	T08	.625	.480	.770	.87	5.500	C.625	149135	156.55
MM S-B-L5.50-C.750-T10	85	T10	.750	.598	-	.88	.217	C.750	183449	162.61
MM S-B-L6.70-C1.00-T10	85	T10	1.000	.598	-	2.29	6.700	C1.00	183451	188.87
MM S-D-L6.50-C.750-T08	89	T08	.750	.480	2.770	3.15	6.500	C.750	149136	189.88
MM S-D-L7.50-C.750-T10	89	T10	.750	.600	2.950	3.15	7.500	C.750	183460	221.19
MM TS-A-L3.25-C.375-T06	90	T06	.375	.375	-	-	3.250	C.375	183478	109.08
MM TS-A-L4.00-C.625-T10	90	T10	.625	.625	-	-	4.000	C.625	192582	133.32
MM S-B-L5.00-C.625-T06	85	T06	.625	.370	1.283	1.38	5.000	C.625	147730	154.53
MM S-D-L6.30-C.625-T06	89	T06	.625	.364	1.750	2.17	6.300	C.625	150083	181.80



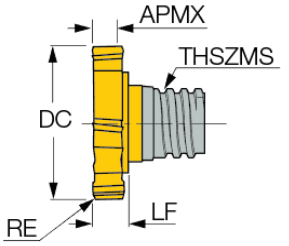
90° Straight Shank



Conical Shank

MULTI-MASTER INDEXABLE SOLID CARBIDE LINE Facemill

- No setup time
- Carbide thread connection for quick change
- Conical and face contact for high precision and rigidity
- Auto-balanced for high speed machining

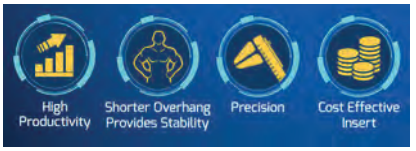


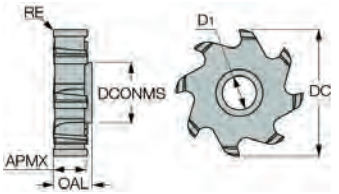
Member IMC Group

Designation	DC	APMX	RE	NOF	THSZMS	LF	fz(min)	fz(max)	A.C.T. No.	Special Price $
MM FM120-36R0.2-06T05 IC908	.712	.142	.0079	6	T05	.173	.0016	.0039	3318857*	76.18
MM FM160-48R0.4-06T06 IC908	.630	.189	.0157	6	T06	.220	.0020	.0039	318686	80.00
MM FM200-60R0.4-06T08 IC908	.787	.236	.0157	6	T08	.268	.0020	.0039	332411	95.55
MM FM250-75R0.4-06T10 IC908	.984	.295	.0157	6	T10	.331	.0020	.0039	320351	114.66

*Manufacturer part number listed.

T-FACE FACEMILL Facemill



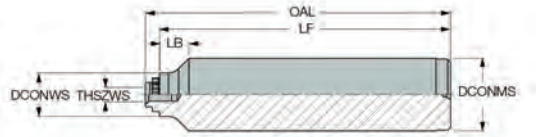


Member IMC Group

Designation	DC	APMX	NOF	RE	D1	DCONMS	OAL	fz(min)	fz(max)	A.C.T. No.	Special Price $
SD FM D1.25-312D-SP15 IC908	1.250	.312	8	.0157	.330	.590	.314	.0016	.0060	3348201*	165.91
SD FM D1.50-375D-SP17 IC908	1.500	.375	10	.0157	.385	.669	.393	.0016	.0060	3348202*	227.58
SD FM D2.00-468D-SP19 IC908	2.000	.468	12	.0157	.385	.748	.551	.0016	.0060	327020	391.74

*Manufacturer part number listed.

T-FACE FACEMILL Shank



Member IMC Group

Designation	DCONMS	DCONWS	THSZWS	LB	LF	OAL	Shank	A.C.T. No.	Special Price $
SD FM-S-A-L4.00-W100-SP15	1.000	.591	M5x0.5	.398	4.000	4.192	W	3348204*	194.93
SD FM-S-A-L4.50-C100-SP15	1.000	.591	M5x0.5	.398	4.500	4.692	C	3348205*	194.93
SD FM-S-A-L5.00-W125-SP17	1.250	.669	M6x0.5	.492	5.000	5.236	W	3348206*	222.20
SD FM-S-A-L5.50-C125-SP17	1.250	.669	M6x0.5	.492	5.500	5.736	C	3348207*	222.20
SD FM-S-A-L5.50-C125-SP19	1.250	.748	M6x0.5	.392	5.500	5.834	C	3348208*	256.54
SD FM-S-A-L5.00-W150-SP19	1.500	.748	M6x0.5	.551	5.000	5.334	W	327019	256.54

*Manufacturer part number listed.

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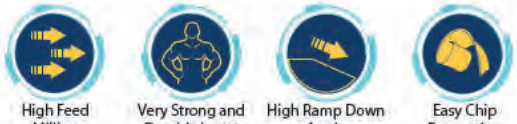
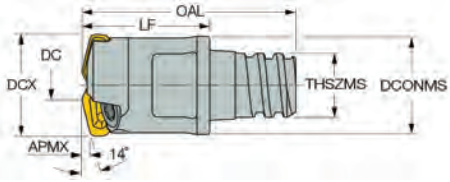
NAN3FEED NANO FEED MILL

Member IMC Group



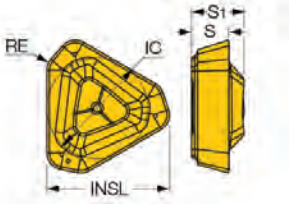
Designation	DCX	DC	APMX	AE	CICT	LU	LH	OAL	DCONMS	Shank	RMPX	A.C.T. No.	Special Price $
FFT3 EFM D08-2-060-C10-02	.315	.087	.024	.114	2	.67	.787	2.362	.394	C	10.8	326715	287.85
FFT3 EFM D08-2-080-C12-02	.315	.087	.024	.114	2	1.02	1.181	3.150	.472	C	10.8	3326801*	287.85
FFT3 EFM D10-3-070-C10-02	.394	.165	.024	.114	3	.77	.787	2.756	.394	C	4.7	3346808*	295.93
FFT3 EFM D10-3-090-C12-02	.394	.165	.024	.114	3	1.18	1.299	3.543	.472	C	4.7	317704	295.93

Manufacturer part number listed.



Designation	DCX	DC	APMX	AE	CICT	LF	DCONMS	THSZMS	OAL	DRVS	RMPX	A.C.T. No.	Special Price $
FFT3 EFMD08/.31-2MMT05-02	.315	.087	.024	.114	2	.394	.299	T05	.659	.217	10.8	316427	300.98
FFT3 EFMD10/.39-3MMT06-02	.394	.165	.024	.114	3	.394	.382	T06	.642	.315	4.7	3346810*	330.27

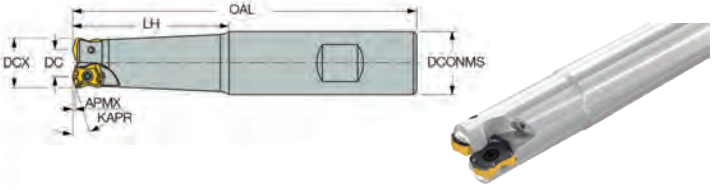
Manufacturer part number listed.



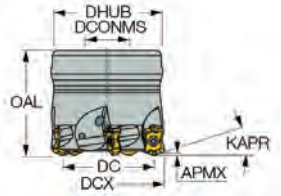
Designation	INSL	IC	RE	S	S1	fz(min)	fz(max)	A.C.T. No.	Special Price $
FFT3 TXMT 020105T IC830	.144	.079	.0197	.043	.061	.0079	.0276	315783	12.46

LOGIQ4FEED HIGH FEED MILLING

Member IMC Group



Designation	DCX	DC	APMX	AE	CICT	LH	OAL	DCONMS	Shank	RMPX	A.C.T. No.	Special Price $
FFX4 ED0.50-1-1.2W0.50-04	.500	.209	.031	.145	1	1.200	3.250	.500	W	3.4	316775	316.13
FFX4 ED0.62-2-1.5W0.62-04	.625	.334	.031	.145	2	1.500	3.500	.625	W	4.3	316384	358.55
FFX4 ED0.62-2-2.0W0.75-04	.625	.334	.031	.145	2	2.000	4.250	.750	W	4.3	321261	372.69
FFX4 ED0.75-3-2.0W0.75-04	.750	.459	.031	.145	3	2.000	4.250	.750	W	2.9	316383	402.99
FFX4 ED0.75-3-2.5W0.75-04	.750	.459	.031	.145	3	2.500	5.000	.750	W	2.9	326586	402.99
FFX4 ED1.00-4-2.0W1.00-04	1.000	.709	.031	.145	4	2.000	4.500	1.000	W	1.8	325903	474.70
FFX4 ED1.00-4-3.0W1.00-04	1.000	.709	.031	.145	4	3.000	5.000	1.000	W	1.8	320648	488.84
FFX4 ED1.25-5-2.5W1.00-04	1.250	.959	.031	.145	5	2.500	5.000	1.000	W	1.2	335597	510.05
FFX4 ED1.25-5-3.0W1.25-04	1.250	.959	.031	.145	5	3.000	5.500	1.250	W	1.2	338431	510.05

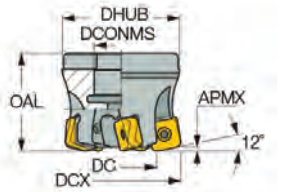


Designation	DCX	DC	CICT	APMX	AE	OAL	DHUB	DCONMS	RMPX	A.C.T. No.	Special Price $
FFX4 FD1.50-6-.50-04	1.500	1.209	6	.031	.145	1.500	1.417	.500	1.0	321875	648.42

NEOFEED HIGH FEED LINE

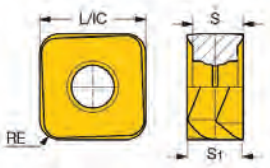
Member IMC Group

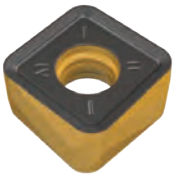
- Fast feed face mills carrying Double-sided Inserts with 8 cutting edges.
- Radius for programming .142"
- To generate a straight surface without cusps, the width of cut most not exceed DC
- For slot milling or machining with high tool overhang, the maximum depth of cut should be reduced by 30%



Designation	DC	DCX	APMX	CICT	OAL	DHUB	DCONMS	RMPX°	A.C.T. No.	Special Price $
FFQ8 D2.00-05-0.75-12	1.236	2	0.06	5	1.625	1.85	0.75	0.3	3395201*	668.62
FFQ8 D2.50-06-1.00-12	1.736	2.5	0.06	6	1.75	2.25	1	0.2	339702	823.15
FFQ8 D3.00-07-1.00-12	2.236	3	0.06	7	1.75	2.25	1	0.2	3395204*	936.27
FFQ8 D4.00-08-1.50-12	3.236	4	0.06	8	2	3.23	1.5	0.1	3395205*	1151.40

*Manufacturer part number listed.





Designation	L	S	RE	S1	A.C.T. No.	Special Price $
FFQ8 SZMU 120520T IC810	0.472	0.23	0.0787	0.256	339704	30.57
FFQ8 SZMU 120520T IC808	0.472	0.23	0.0787	0.256	3391900*	30.57
FFQ8 SZMU 120520T IC830	0.472	0.23	0.0787	0.256	3395193*	30.57

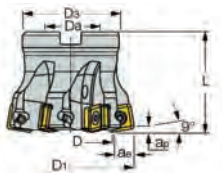
*Manufacturer part number listed.

MILL4FEED High Feed Milling Cutters

Member IMC Group

ISCAR has introduced a new family of MILL4FEED tools that carry square single-sided inserts with 4 cutting edges, designed for reducing cutting forces when used on low power machines or long overhang applications.

- 9° cutting edge angle
- Positive axial rake angle
- Ramping down capability
- 3.1mm radius for programming
- Internal coolant holes directed to each cutting edge
- Covers a wide range of applications including slotting, pocketing helical interpolation, plunging and surface sculpturing
- Suitable for machining various workpiece materials
- An optimal solution for high-efficiency in roughing operations



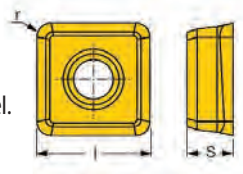
Designation	D	D1	ap	ae	Z	L	D3	Da	Arbor	Rd°	Lbs	A.C.T. No.	Special Price $
FFQ4 D2.0-5-0.75-12	1.136	2	0.059	0.394	5	2	1.85	0.75	A	2.6	0.88	301078	652.46
FFQ4 D2.5-6-1.00-12	1.636	2.5	0.059	0.394	6	2	2.252	1	A	1.7	1.3	306907	803.96
FFQ4 D3.0-7-1.00-12	2.136	3	0.059	0.394	7	2	2.874	1	A	1.3	1.71	301689	913.04
FFQ4 D4.0-8-1.50-12	3.136	4	0.059	0.394	8	2	3.228	1.5	B	0.9	2.95	305677	1121.10
FFQ4 D5.0-10-1.50-12	4.136	5	0.059	0.394	10	2	3.799	1.5	B	0.6	5.51	321303	1383.70

MILL4FEED Inserts

Member IMC Group

Square single-sided inserts with 4 cutting edges for fast feed milling.

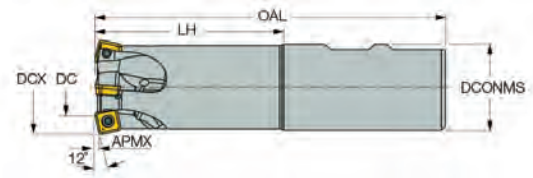
- FFQ4 SOMT 12516T for steel, ferritic and martensitic stainless steel, cast iron and hardened steel.
- FFQ4 SOMT 12516HP for austenitic stainless steel and high temperature alloys.



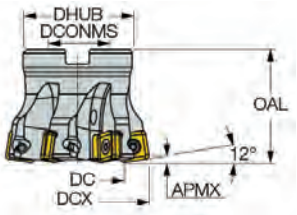
Designation	l	S	r	fz (min)	fz (max)	A.C.T. No.	Special Price $
FFQ4 SOMT 120516HP IC808	0.5	0.205	0.063	0.0157	0.0709	302089	20.35
FFQ4 SOMT 120516HP IC882	0.5	0.205	0.063	0.0157	0.0709	312236	32.34
FFQ4 SOMT 120516T IC808	0.5	0.205	0.063	0.0157	0.0787	299571	20.35
FFQ4 SOMT 120516T IC830	0.5	0.205	0.063	0.0157	0.0787	301740	20.35

*Manufacturer part number listed.

MILL4FEED

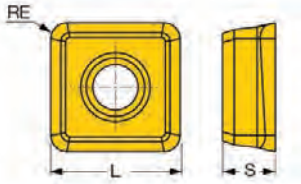


Designation	DCX	DC	APMX	AE	CICT	LH	DCONMS	OAL	RMPX	A.C.T. No.	Special Price $
FFQ4 D0.87-2-1.7-W0.75-09	.875	.311	.047	.280	2	1.750	.750	3.800	8.0	311742	379.76
FFQ4 D1.00-3-2.0-W1.00-09	1.000	.437	.047	.280	3	2.000	1.000	4.300	5.4	315378	426.22
FFQ4 D1.25-4-2.5-W1.00-09	1.250	.689	.047	.280	4	2.500	1.000	4.800	3.3	318111	458.54
FFQ4 D1.50-5-3.0-W1.25-09	1.500	.938	.047	.280	5	3.000	1.250	5.300	2.2	312120	587.82



Designation	DCX	DC	APMX	AE	CICT	OAL	DCONMS	DHUB	RMPX	A.C.T. No.	Special Price $
FFQ4 D1.50-05-0.50-09	1.500	.933	.047	.280	5	1.400	.500	1.417	2.2	312895	587.82
FFQ4 D2.00-07-0.75-09	2.000	1.439	.047	.280	7	1.600	.750	1.850	1.5	317316	715.08
FFQ4 D2.50-08-1.00-09	2.500	1.937	.047	.280	8	1.850	1.000	2.252	1.1	3323487*	883.75

**Manufacturer part number listed.*



Designation	L	S	RE	fz(min)	fz(max)	A.C.T. No.	Special Price $
FFQ4 SOMT 090412T IC808	.335	.154	.0472	.0157	.0590	314122	17.29
FFQ4 SOMT 090412T IC830	.335	.154	.0472	.0157	.0590	311743	17.29
FFQ4 SOMT 090412HP IC808	.335	.150	.0472	.0157	.0551	314374	17.29
FFQ4 SOMT 090412HP IC830	.335	.150	.0472	.0157	.0551	326383	17.29

HELI2000 Milling Inserts

IC328 - Very high toughness for milling steel, stainless and alloy steels at low to medium cutting speeds and for unstable machining conditions.

IC928 - Tough grade for milling stainless steel, high temperature alloys and other alloy steels. Recommended for interrupted cut and heavy operations.

IC950 - Used for heavy milling in alloy steel and cast iron. Features excellent wear resistance.

3 Great Grades Same Great Price!

APKT

Designation	A.C.T. No.	Special Price $
APKT 1003 PDR-HM90 IC328	196116	12.46
APKT 1003 PDR-HM90 IC928	206628	12.46
APKT 1003 PDR-HM90 IC950	206629	12.46

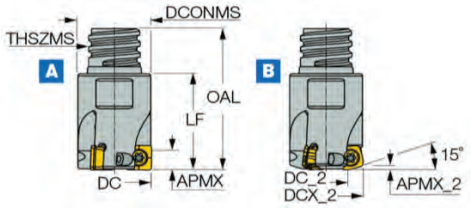
ADKT

Designation	A.C.T. No.	Special Price $
ADKT 1505 PDR-HM90 IC328	195142	14.90
ADKT 1505 PDR-HM90 IC928	206633	14.90
ADKT 1505 PDR-HM90 IC950	206635	14.90

HELI4MILL HM490 LINE

- Each cutter can carry single-sided square and fast feed milling inserts
- Mounting differently shaped inserts does not change the cutter diameter
- Ramping down ability
- Coolant holes are directed to each and every cutting edge
- Cutter body has a special protective polished coating for uninterrupted chip flow and protection from corrosion and wear

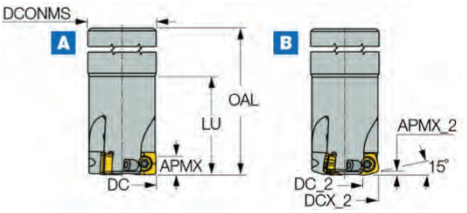
MULTI-MASTER



Designation	DC	APMX	DC_2	DCX_2	APMX_2	LF	OAL	CICT	DCONMS	THSZMS	DRVS	RMPX	A.C.T. No.	Special Price $
E90SO D.38-02-MMT06-04-C	0.375	0.138	0.134	0.382	0.02	0.526	0.77	2	0.361	T06	0.315	6	3350637*	318.15
E90SO D.50-03-MMT08-04-C	0.5	0.138	0.259	0.506	0.02	0.63	0.94	3	0.45	T08	0.394	3	340526	338.35
E90SO D.62-05-MMT10-04-C	0.625	0.138	0.384	0.631	0.02	0.75	1.2	5	0.6	T10	0.512	2	3350639*	405.01
E90SO D.75-06-MMT12-04-C	0.75	0.138	0.509	0.756	0.02	0.98	1.5	6	0.73	T12	0.63	1	3350640*	487.83

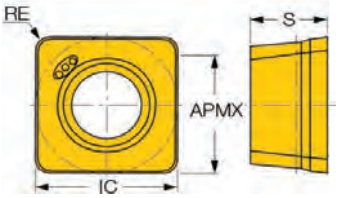
*Manufacturer part number listed.

HELI4MILL HM490 LINE



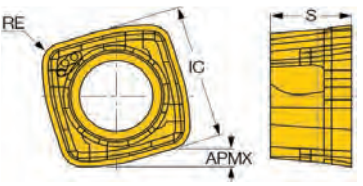
Designation	DC	APMX	DC_2	DCX_2	APMX_2	LU	OAL	DCONMS	Shank	CICT	RMPX	A.C.T. No.	Special Price $
E90SO D.38-02-C.38-04-C	0.375	0.138	0.134	0.382	0.02	0.75	3	0.375	C	2	6	3340330*	301.99
E90SO D.50-03-C.50-04-C	0.5	0.138	0.259	0.506	0.02	0.75	3.5	0.5	C	3	3	318379	324.21
E90SO D.62-05-C.62-04-C	0.625	0.138	0.384	0.631	0.02	1	3.5	0.625	C	5	2	3340333*	386.83
E90SO D.75-06-W.75-04-C	0.75	0.138	0.509	0.756	0.02	1	3.5	0.75	W	6	1	3350635*	464.60

*Manufacturer part number listed.



Designation	APMX	RE	IC	S	ap (min)	ap (max)	fz (min)	fz (max)	A.C.T. No.	Special Price $
SOCT 040204 PNR IC830	0.138	0.0157	0.16	0.087	0.02	0.138	0.002	0.0039	318380	20.54
SOCT 040204 PNR IC808	0.138	0.0157	0.16	0.087	0.02	0.138	0.002	0.0039	3340340*	20.54
SOMT 040204 PNTR IC830	0.138	0.0157	0.16	0.087	0.02	0.138	0.002	0.0039	340527	16.36
SOMT 040204 PNTR IC808	0.138	0.0157	0.16	0.087	0.02	0.138	0.002	0.0039	322619	16.36
SOMT 040204 PNTR IC810	0.138	0.0157	0.16	0.087	0.02	0.138	0.002	0.0039	3340337*	16.36

*Manufacturer part number listed.



Designation	IC	APMX	RE	Rg	S	ap (min)	ap (max)	fz (min)	fz (max)	A.C.T. No.	Special Price $
SOMT 040208 PNR-FF IC830	0.161	0.02	0.0315	0.043	0.087	0.008	0.02	0.0039	0.0197	3340338*	21.38

*Manufacturer part number listed.

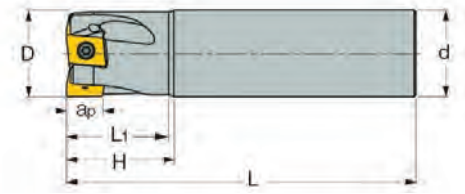
HELITANG T490 Milling Cutters

HELITANG T490 is a line of 90 degree milling tools with tangentially clamped inserts. The new HELITANG indexable, double-sided T490 LN:T PNR inserts have four right-hand helical cutting edges and a unique rake face geometry.

Features:

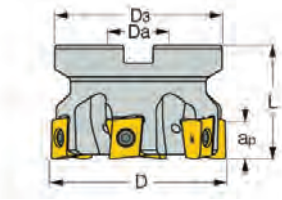
- Pressed and ground insert
- Positive rake face
- Positive inserts with 4 cutting edges, for 90°
- Coarse pitch and fine pitch cutters available
- Suitable for all kind of materials, aluminum, steel, stainless steel, cast iron
- Recommended for roughing and semi-finishing applications
- Available in 08, 11, 13 insert sizes

T490ELN-13



Designation	D	Z	L	H	L1	ap	d	Shank	Rd°	Screw	Blade	Handle	A.C.T. No.	Special Price $
T490 ELN D1.00-2-W1.00-13	1	2	4	1.5	1.4	0.49	1	W	-	SR M4.5-10507218	BLD T15/S7	SW6-T-SH	247030	405.01
T490 ELN D1.25-2-W1.25-13	1.25	2	4.25	1.5	1.4	0.49	1.25	W	2.9	SR 34-535-SN	BLD T15/S7	SW6-T-SH	246367	497.93
T490 ELN D1.25-3-W1.25-13	1.25	3	4.25	1.5	1.4	0.49	1.25	W	2.9	SR 34-535-SN	BLD T15/S7	SW6-T-SH	234299	526.21
T490 ELN D1.50-3-W1.25-13	1.5	3	4.5	1.66	-	0.49	1.25	W	2.2	SR 34-535-SN	BLD T15/S7	SW6-T-SH	246368	526.21
T490 ELN D1.50-4-W1.25-13	1.5	4	4.5	1.66	-	0.49	1.25	W	2.2	SR 34-535-SN	BLD T15/S7	SW6-T-SH	236776	554.49

T490FLN-13

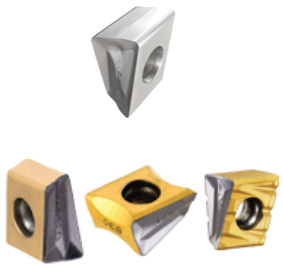


Designation	D	Z	ap	L	D3	Da	Arbor	Rd°	Coolant	Insert Screw	Driver Blade	Driver Handle	A.C.T. No.	Special Price $
T490 FLN D1.50-4-.75-R-13	1.5	4	0.492	1.57	1.44	0.75	A	2	Y	SR 34-535/L10.5-SN	BLD T15/S7	SW6-T-SH	238290	576.71
T490 FLN D2.00-5-.75-R-13	2	5	0.492	1.57	1.85	0.75	A	1.5	Y	SR 34-535-SN	BLD T15/S7	SW6-T-SH	236772	649.43
T490 FLN D2.50-6-1.0-R-13	2.5	6	0.492	1.75	2.36	1	A	1.1	Y	SR 34-535-SN	BLD T15/S7	SW6-T-SH	232227	754.47
T490 FLN D3.00-7-1.0-R-13	3	7	0.492	2	2.76	1	B	0.9	Y	SR 34-535-SN	BLD T15/S7	SW6-T-SH	236773	935.26
T490 FLN D4.00-8-1.5-R-13	4	8	0.492	2	3.19	1.5	B	0.7	Y	SR 34-535-SN	BLD T15/S7	SW6-T-SH	229868	1040.30

T490 LNMT/LNAR 1306 Inserts

Tangentially clamped inserts with 4 helical cutting edges. The unique pocket design prevents insert pull-out and enables tools with larger core diameters compared with regular radially orientated inserts.

Additional Insert grades, geometries and radii available to suit your application



Designation	W	l	ap	r	S	fz (min)	fz (max)	A.C.T. No.	Special Price $
T490 LNMT 1306PNTR IC810	0.262	0.541	0.492	0.031	0.514	0.0039	0.0098	240375	27.98
T490 LNMT 1306PNTR IC808	0.262	0.541	0.492	0.031	0.514	0.0039	0.0098	229867	27.98
T490 LNMT 1306PNTR IC830	0.262	0.541	0.492	0.031	0.514	0.0039	0.0098	232228	27.98
T490 LNAR 1306PN-R-P IC07†	0.262	0.541	0.492	0.031	0.514	0.0039	0.0079	250672	29.90

† Polished Insert with super positive rake for machining Aluminum

LOGIQ8TANG
T890 LINE

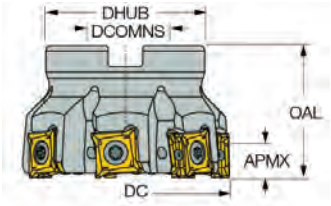
Member IMC Group

Tangential Advantage

Large Body Core

Performs 90° Shoulder

Dovetail

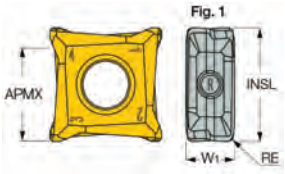


Designation	DC	APMX	CICT	DCONMS	DHUB	OAL	Arbor	A.C.T. No.	Special Price $
T890HT FLND1.5-03-.75-R13	1.500	.374	3	.750	1.440	1.574	A	3332789*	550.45
T890HT FLND1.5-04-.75-R13	1.500	.374	4	.750	1.440	1.574	A	3332790*	576.71
T890HT FLND1.5-05-.75-R13	1.500	.374	5	.750	1.440	1.574	A	314129	594.89
T890HT FLND2.0-04-.75-R13	2.000	.374	4	.750	1.850	1.574	A	3332793*	620.14
T890HT FLND2.0-05-.75-R13	2.000	.374	5	.750	1.850	1.574	A	316080	649.43
T890HT FLND2.0-06-.75-R13	2.000	.374	6	.750	1.850	1.574	A	3332795*	675.69
T890HT FLND2.5-06-1.0-R13	2.500	.374	6	1.000	2.252	1.750	A	3332797*	754.47
T890HT FLND2.5-07-1.0-R13	2.500	.374	7	1.000	2.252	1.750	A	3332798*	790.83
T890HT FLND2.5-08-1.0-R13	2.500	.374	8	1.000	2.252	1.750	A	3332799*	808.00
T890HT FLND3.0-06-1.0-R13	3.000	.374	6	1.000	2.252	2.000	B	3332800*	891.83
T890HT FLND3.0-07-1.0-R13	3.000	.374	7	1.000	2.252	2.000	B	3332801*	935.26
T890HT FLND3.0-09-1.0-R13	3.000	.374	9	1.500	3.228	2.000	B	3332802*	1010.00
T890HT FLND4.0-08-1.5-R13	4.000	.374	8	1.500	3.228	2.000	B	3332803*	1040.30
T890HT FLND4.0-12-1.5-R13	4.000	.374	12	1.500	3.228	2.000	B	3332804*	1191.80
T890HT FLND5.0-09-1.5-R13	5.000	.374	9	2.000	3.800	2.000	B	3332805*	1343.30
T890HT FLND5.0-15-1.5-R13	5.000	.374	15	2.000	3.800	2.000	B	3332806*	1595.80

Manufacturer part number listed.

Inserts

- Tangential Cost Effective Insert with 8 Cutting Edges



Designation	INSL	W1	r	CEDC	ap(min)	ap(max)	fz(min)	fz(max)	A.C.T. No.	Special Price $
T890 LNHT 1306PNTR IC808	.543	.236	.0315	8	.039	.374	.0040	.0080	316081	46.37
T890 LNHT 1306PNTR IC810	.543	.236	.0315	8	.039	.374	.0040	.0080	3314971*	46.37
T890 LNHT 1306PNTR IC830	.543	.236	.0315	8	.039	.374	.0040	.0080	314130	46.37

Manufacturer part number listed.

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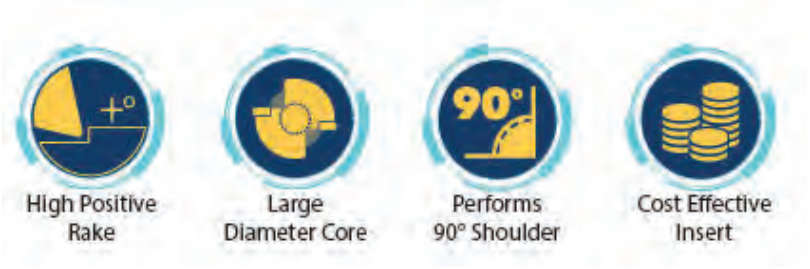
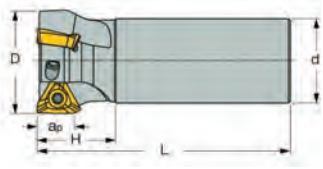
The Heli IQ Mill is a new family of cutters which carries triangular inserts with 3 helical cutting edges.

3 helical cutting edges for 90° shoulder accuracy





HM390 ETD-15

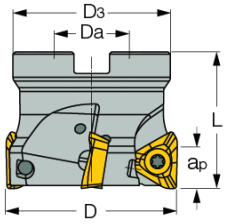
90° endmills carrying the HM390 TDKT 1505 triangular inserts with 3 helical cutting edges.

Designation	D	Z	ap	L	H	d	Rd°	Insert Screw	Driver Blade	Driver Handle	A.C.T. No.	Special Price $
HM390 ETD D1.5-3-W1.25-15	1.5	3	0.512	4	1.18	1.25	2.1	SR 10511869	BLD IP20/S7	SW6-T	273132	452.48
HM390 ETD D2.0-4-W1.5-15	2	4	0.512	5	1.57	1.5	1.6	SR 10505427	BLD IP20/S7	SW6-T	277195	Contact your nearest ACT Branch for Special Pricing

HM390 FTD-15

90° face mills carrying HM390 TDKT 1505 triangular inserts with 3 helical cutting edges.

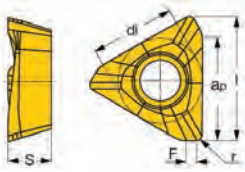
Designation	D	Z	ap	L	D3	Da	Arbor	Rd°	Insert Screw	Driver Blade	Driver Handle	A.C.T. No.	Special Price $
HM390 FTD D2.00-3-.75-15	2	3	0.512	1.57	1.85	0.75	A	1.6	SR 10505427	BLD IP20/S7	SW6-T	272207	535.30
HM390 FTD D2.00-4-.75-15	2	4	0.512	1.57	1.85	0.75	A	1.6	SR 10505427	BLD IP20/S7	SW6-T	273133	570.65
HM390 FTD D2.00-5-.75-15	2	5	0.512	1.57	1.85	0.75	A	1.6	SR 10511869	BLD IP20/S7	SW6-T	276757	585.80
HM390 FTD D2.50-4-1.0-15	2.5	4	0.512	1.75	2.34	1	A	1.2	SR 10505427	BLD IP20/S7	SW6-T	272592	665.59
HM390 FTD D2.50-6-1.00-15	2.5	6	0.512	1.75	2.34	1	A	1.2	SR 10505427	BLD IP20/S7	SW6-T	283158	732.25
HM390 FTD D3.00-5-1.0-15	3	5	0.512	2	2.76	1	A	0.9	SR 10505427	BLD IP20/S7	SW6-T	275091	839.31
HM390 FTD D3.00-6-1.0-15	3	6	0.512	2	2.76	1	A	0.9	SR 10505427	BLD IP20/S7	SW6-T	287944	897.89
HM390 FTD D3.00-7-1.00-15	3	7	0.512	2	2.76	1	A	0.9	SR 10505427	BLD IP20/S7	SW6-T	283159	919.10



HM390 TDKT/CR 1505 INSERTS

Triangular inserts with 3 helical cutting edges, for 90° shoulder accuracy. For general use applications.

Designation	l	di	S	r	F	fz (min)	fz (max)	ap (min)	ap (max)	A.C.T. No.	Special Price $	Std Pkg
HM390 TDCR 1505PDFR-P IC28	0.657	0.449	0.236	0.031	0.087	0.0031	0.0079	0.059	0.512	290317	18.98	10
HM390 TDKT 1505PDR IC830	0.657	0.449	0.23	0.031	0.055	0.0031	0.0059	0.059	0.512	272210	16.02	10
HM390 TDKT 1505PDR IC808	0.657	0.449	0.23	0.031	0.055	0.0031	0.0059	0.059	0.512	272316	16.02	10
HM390 TDKT 1505PDR IC5400	0.657	0.449	0.23	0.031	0.055	0.0031	0.0059	0.059	0.512	272689	16.02	10
HM390 TDKT 150516-PDR IC808	0.646	0.449	0.23	0.063	0.039	0.0031	0.0059	0.059	0.492	291956	17.39	10
HM390 TDKT 150532-PDR IC808	0.598	0.449	0.23	0.126	0.024	0.0031	0.0059	0.059	0.472	291957	17.39	10



Iscar Grades:

IC 28 *Used mainly for machining aluminum at medium cutting speeds and medium or large chip sections. The inserts usually feature very sharp cutting angles.*

IC 528 *A thin PVD coated TiCN layer on a P45-K40 substrate. Very high toughness. For milling, parting and grooving of steel, stainless and alloy steels at low to medium cutting speeds and for unstable machining conditions.*

IC 808 *A hard, fine grain substrate with excellent chipping resistance, combined with a new 'SUMO TEC' TiAlN PVD coating. Provides high wear resistance. Recommended for a very wide range of materials.*

IC 830 *A 'SUMO TEC' AlTiN+TiN PVD coated grade. Recommended for interrupted cut and heavy operations on stainless steel, high temperature and alloyed steel. High toughness and wear resistance.*

IC 5400 *A tough substrate with MTCVD and alpha Al2O3 coating. Recommended for milling steel at high cutting speed and for parting stainless steel.*

Fixed Torque Handles and Key Blades

The modula screwdrivers comprise of handles and interchangeable blades. The handles are calibrated for specific torque values required for securing ISCAR indexable milling inserts by their clamping screws. Available are different sizes of blades with either TORX (T) or TORX PLUS (IP) tips.

Fixed torque handles:

The ergonomically designed handles are calibrated for one of the following 6 grades of torque values: 0.65, 0.9, 1.2, 2, 3.2 and 4.8 Nm. The specific value of each handle is marked on both sides of the handle, containing both metric (Nm) and imperial (lbf•in) units. The colour of the handle's cap should match the colour sleeve on the key blade. The handle features a 4 mm hexagonal port size for inserting the blades.

Key blades:

The blades are produced from high-strength material and feature a 4mm hexagonal body and a cylindrical neck with an appropriate TORX or TORX PLUS tip. The slim neck diameter facilitates tightening hard-to-reach screws.

HSD Fixed Torque Handles

Designation	lbf - in	Color	A.C.T. No.	Special Price $
HSD 4-5.8LBF.IN	0.02	Orange	320910	56.46
HSD 4-8LBF.IN	0.04	Black	318053	55.66
HSD 4-10.6LBF.IN	0.05	Green	320921	57.07
HSD 4-17.7LBF.IN	0.08	Blue	311620	55.45
HSD 4-23.38LBF.IN	0.13	Yellow	320911	57.47
HSD 4-42.5LBF.IN	0.19	Grey	316953	57.47

Key Blades

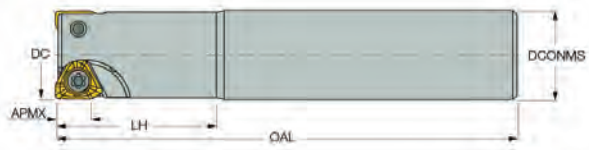
Designation	lbf - in	Color	A.C.T. No.	Special Price $
BLD 4 T06-5.8LBF.IN	5.8	Orange	320909	8.89
BLD 4 IP06-5.8LBF.IN	5.8	Orange	7007376*	11.82
BLD 4 IP07-8LBF.IN	8	Black	7007378*	9.70
BLD 4 T07-8LBF.IN	8	Black	318054	8.79
BLD 4 IP07-10.6LBF.IN	10.6	Green	3315468*	9.50
BLD 4 IP08-10.6LBF.IN	10.6	Green	7007380*	9.70
BLD 4 T08-10.6LBF.IN	10.6	Green	320920	8.89
BLD 4 IP09-17.7LBF.IN	17.7	Blue	338963	9.70
BLD 4 T09-17.7LBF.IN	17.7	Blue	311619	8.79
BLD 4 IP10-23.38LBF.IN	23.38	Yellow	7007384*	9.50
BLD 4 T10-23.38LBF.IN	23.38	Yellow	309455	8.49
BLD 4 IP15-42.5LBF.IN	42.5	Grey	318052	10.31
BLD 4 T15-42.5LBF.IN	42.5	Grey	309456	8.79

**Manufacturer part number listed*

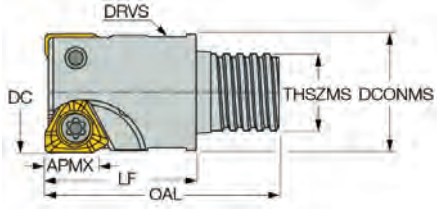
Designation	W	l	ap	r	S	fz (min)	fz (max)	A.C.T. No.	Special Price $
T490 LNMT 1306PNTR IC810	0.262	0.541	0.492	0.031	0.514	0.0039	0.0098	240375	27.98
T490 LNMT 1306PNTR IC808	0.262	0.541	0.492	0.031	0.514	0.0039	0.0098	229867	27.98
T490 LNMT 1306PNTR IC830	0.262	0.541	0.492	0.031	0.514	0.0039	0.0098	232228	27.98
T490 LNAR 1306PN-R-P IC07†	0.262	0.544	0.492	0.031	0.512	0.0031	0.0079	250672	29.90

**Manufacturer part number listed*

HELI3MILL HM390 LINE

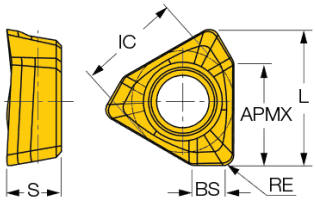


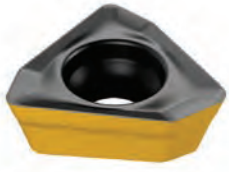
Designation	DC	APMX	CICT	OAL	LH	DCONMS	Shank	RMPX	A.C.T. No.	Special Price $
HM390 ETPD.50-03-C.50-05C	.500	.138	3	3.500	.750	.500	C	1.5	315603	323.20
HM390 ETPD.62-04-C.62-05C	.625	.138	4	3.500	1.000	.625	C	1.5	335083	358.55



Designation	DC	APMX	CICT	LF	DCONMS	THSZMS	OAL	DRVS	RMPX	A.C.T. No.	Special Price $
HM390 ETPD.50-03-MMT08-05	.500	.138	3	.650	.480	T08	.950	.310	1.5	325039	337.34
HM390 ETPD.62-04-MMT10-05	.620	.138	4	.740	.610	T10	1.200	.390	1.5	3350634*	376.73

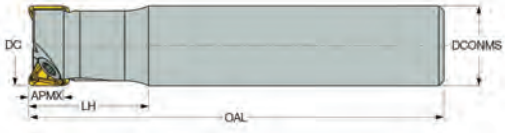
*Manufacturer part number listed





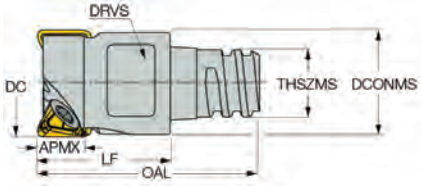
Designation	INSL	IC	S	LE	RE	BS	fz (min)	fz (max)	ap (min)	ap (max)	A.C.T. No.	Special Price $
HM390 TPKT 0502PDR IC808	.207	.155	.083	.138	.0157	.039	.0020	.0059	.020	.138	315604	16.82
HM390 TPKT 0502PDR IC830	.207	.155	.083	.138	.0157	.039	.0020	.0059	.020	.138	313859	16.82

NANMILL NANO ENDMILL



Designation	DC	APMX	CICT	OAL	LH	DCONMS	Shank	RMPX	A.C.T. No.	Special Price $
HM390 ETP D.31-2-C.31-04	.313	.118	2	2.500	.470	.313	C	3.0	3343207*	291.89
HM390 ETP D.38-3-C.38-04	.375	.118	3	3.000	.560	.375	C	2.6	315600	318.15

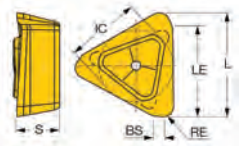
*Manufacturer part number listed



Designation	DC	APMX	CICT	LF	DCONMS	THSZMS	OAL	DRVS	RMPX	A.C.T. No.	Special Price $
HM390 ETP D.31-2-MMT05-04	.310	.120	2	.380	.300	T05	.850	.190	3.0	3350630*	306.03
HM390 ETP D.38-3-MMT06-04	.380	.120	3	.500	.360	T06	.740	.230	2.5	338724	334.31

*Manufacturer part number listed

NANMILL
NANO ENDMILL

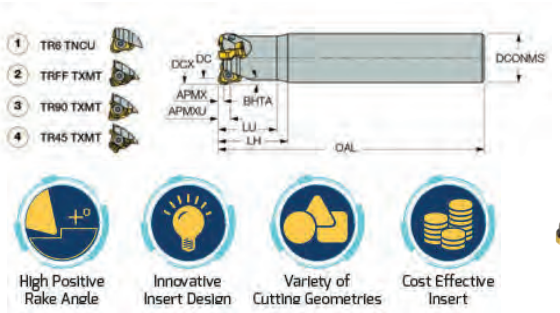


Member IMC Group

Designation	INSL	IC	S	LE	RE	BS	fz(min)	fz(max)	ap(min)	ap(max)	A.C.T. No.	Special Price $
HM390 TPKR 0401-PCTR IC830	.157	.110	.063	.118	.0157	.016	.0016	.0039	.020	.118	315601	16.08

TOR6MILL
PROFILING

Radial Profile Insert for Die & Mold and General Applications Full radius double-sided insert with 6 cutting edges for rough milling, semi-finishing and finish applications. TOR-6-MILL provides excellent results in facing. A high rake angle provides an easy cut suitable for machining steel and stainless steel. Also available: high positive single sided insert geometries with 3 cutting edges for 90°, 45°, 17° high feed inserts.



Member IMC Group

Designation	DCX	DCX_2	DC	DC_2	BHTA	CICT	LU	LU_2	LH	LH_2	OAL	OAL_2	DCONMS	A.C.T. No.	Special Price $
TR6 ERD0.62-2-2.0W0.62-07	.625	.625	.546	.466	21.00	2	1.86	1.87	1.860	1.87	3.910	3.917	.625	3344285*	301.99
TR6 ERD0.75-4-2.5W0.75-07	.750	.750	.671	.596	21.00	4	2.36	2.37	2.360	2.37	4.530	4.538	.750	340366	357.54
TR6 ERD1.00-5-3.0W1.00-07	1.000	1.000	.921	.846	21.00	5	2.83	2.84	2.830	2.84	5.280	5.288	1.000	3344287*	405.01
TR6 ERD1.25-6-4.0W1.25-07	1.250	1.250	1.171	1.096	21.00	6	3.83	3.84	3.830	3.84	6.280	6.288	1.250	3344288*	457.53
TR6 ERD1.00-3-3.0W1.00-10	1.000	1.000	.803	.763	20.50	3	2.80	2.81	3.000	3.01	5.280	5.285	1.000	326903	345.42
TR6 ERD1.25-4-3.5W1.25-10	1.250	1.250	1.053	.763	20.50	4	3.30	3.31	3.500	3.51	5.780	5.785	1.250	3344369*	388.85

Manufacturer part number listed

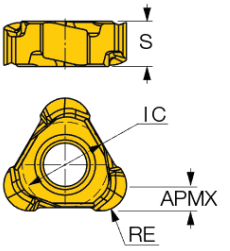
Designation	DCX	DCX_2	DCX_3	DCX_4	DC	DC_2	DC_4	BHTA	CICT	OAL	OAL_2	OAL_3	OAL_4	DCONMS	DHUB	Arbor	A.C.T. No.	Special Price $
TR6 FR D1.50-06-0.50-10	1.500	1.500	1.500	1.560	1.303	1.263	1.315	20.50	6	1.250	1.255	1.246	1.254	.500	1.250	A	3344370*	654.48
TR6 FR D2.00-07-0.75-10	2.000	2.000	2.000	2.062	1.803	1.763	1.815	20.50	7	1.500	1.505	1.496	1.504	.750	1.800	A	3344371*	747.40
TR6 FR D2.50-08-1.00-10	2.500	2.500	2.500	2.562	2.303	2.263	2.315	20.50	8	1.750	1.755	1.746	1.754	1.000	2.250	A	3344372*	824.16
TR6 FR D3.00-10-1.25-10	3.000	3.000	3.000	3.063	2.803	2.763	2.815	20.50	10	2.000	2.005	1.996	2.004	1.250	2.870	A	3344373*	1010.00

Manufacturer part number listed

Profiling Inserts

Designation	RE	APMX	IC	S	fz (min)	fz (max)	ap (min)	ap (max)	A.C.T. No.	Special Price $
TR6 TNCU 070205 IC830	.0197	.020	.209	.110	.0039	.0118	.008	.020	341125	26.21
TR6 TNCU 070210 IC830	.0394	.039	.209	.110	.0039	.0118	.008	.039	336757	26.21
TR6 TNMU 070215 IC830	.0590	.059	.209	.110	.0039	.0118	.008	.059	3320924*	21.00
TR6 TNCU 100405 IC830	.0197	.020	.287	.165	.0039	.0118	.008	.020	3320827*	30.67
TR6 TNCU 100410 IC830	.0394	.039	.287	.165	.0039	.0118	.008	.039	3320830*	30.67
TR6 TNCU 100415 IC830	.0590	.059	.287	.165	.0039	.0118	.008	.059	3320839*	30.67
TR6 TNMU 100415 IC830	.0590	.059	.287	.165	.0039	.0118	.008	.059	330340	24.63
TR6 TNCU 100420 IC830	.0787	.079	.287	.165	.0039	.0118	.008	.079	3320872*	30.67
TR6 TNCU 100425 IC830	.0984	.098	.287	.165	.0039	.0118	.008	.098	3320875*	30.67
TR6 TNCU 100430 IC830	.1181	.118	.287	.165	.0039	.0118	.008	.118	325358	30.67

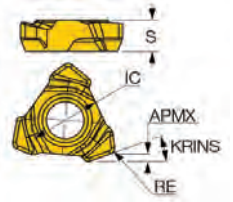
Manufacturer part number listed.



High Feed Inserts

Designation	APMX	RE	Rg	IC	S	fz (min)	fz (max)	ap (min)	ap (max)	A.C.T. No.	Special Price $
TRFF TXMT 0702 IC830	.024	.0197	.039	.209	.094	.0197	.0315	.008	.024	3320928*	23.05
TRFF TXMT 1004 IC830	.031	.0276	.055	.287	.154	.0276	.0472	.008	.031	325357	24.44

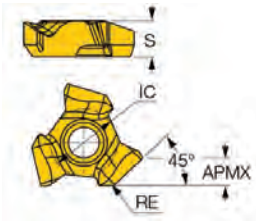
Manufacturer part number listed.



TOR6MILL PROFILING

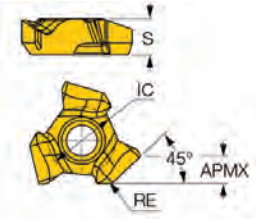
45 Degree Inserts

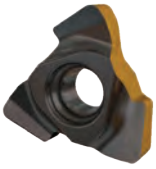
Designation	APMX	RE	IC	S	fz(min)	fz(max)	ap(min)	ap(max)	A.C.T. No.	Special Price $
TR45 TXMT 1004 IC830	.118	.0157	.287	.154	.0079	.0157	.039	.118	325359	18.68



90 Degree Inserts

Designation	APMX	RE	IC	S	fz(min)	fz(max)	ap(min)	ap(max)	A.C.T. No.	Special Price $
TR90 TXMT 070204 IC830	.098	.0157	.209	.094	.0039	.0079	.020	.098	3320926*	17.66
TR90 TXMT 100408 IC830	.157	.0315	.287	.154	.0039	.0079	.035	.157	330341	18.68

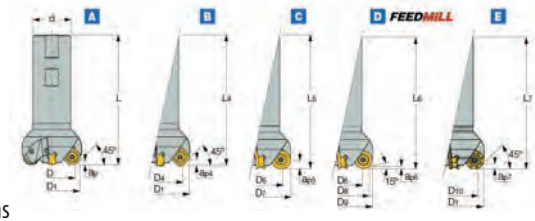




Member IMC Group

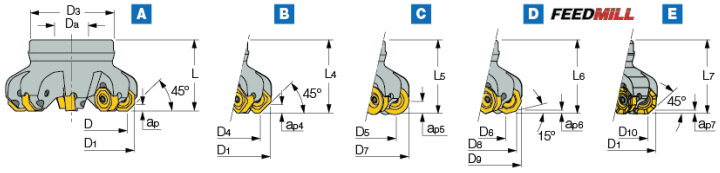
HELIDO

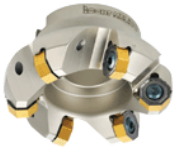
Features
- Screw and wedge clamping
- Coarse, fine, and extra fine pitch cutters
- Depths of cut up to 6 mm - square insert
- Depths of cut up to 3.5 mm -octagonal insert
- Suitable for steel and cast iron
- For roughing, semi-finishing and finishing applications
- Economical – 8 and 16 cutting edges
- Angled screw for rigid and secure clamping
- Variety of wiper inserts



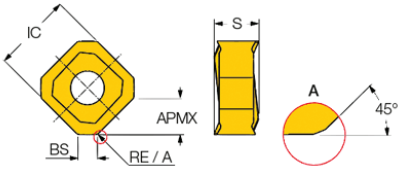
A- with ONMU 0505... insert
B- with S845 SNMU 1305... insert
C- with RXMT 1607N insert
D- with OXMT 0507R08-FF insert
E- with OXMT 050705-R-HP insert

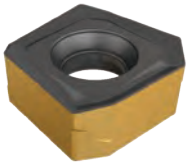
Designation	D	D1	D4	D5	D7	D6	D8	D9	D10	d	Z	L	L4	L5	L6	L7	Coolant	A.C.T. No.	Special Price $
SOE45 8/16-D1.00-02-W.75R	1.000	1.409	.907	.835	1.451	.813	1.221	1.425	1.046	.750	2	4.000	4.047	4.063	4.051	4.047	Y	240829	425.21
SOE45 8/16-D1.25-03-W1.0R	1.250	1.659	1.157	1.080	1.695	1.043	1.467	1.669	1.287	1.000	3	4.000	4.047	4.063	4.051	4.047	Y	242293	448.44
SOE45 8/16-D1.5-04-W1.25R	1.500	1.909	1.407	1.317	1.942	1.287	1.714	1.916	1.532	1.250	4	4.500	4.547	4.563	4.551	4.547	Y	245141	502.98





Designation	D	D1	D4	D5	D7	D6	D8	D9	D10	Z	Da	D3	L	L4	L5	Rd°	L6	L7	Arbor	Coolant	A.C.T. No.	Special Price $
SOF45 8/16-D1.5-04-0.75R	1.500	1.909	1.407	1.319	1.941	1.283	1.657	1.913	1.524	4	.750	1.440	1.500	1.550	1.121	3.7	1.551	1.547	A	Y	240602	535.30
SOF45 8/16-D2.0-04-0.75R	2.000	2.409	1.907	1.819	2.441	1.783	2.157	2.413	2.024	4	.750	1.890	1.750	1.800	1.301	5.6	1.801	1.797	A	Y	231923	579.74
SOF45 8/16-D2.5-06-1.00R	2.500	2.909	2.407	2.319	2.941	2.283	2.657	2.913	2.524	6	1.000	2.210	1.750	1.800	1.301	6.3	1.801	1.797	B	N	236794	759.52
SOF45 8/16-D3.0-07-1.00R	3.000	3.409	2.907	2.819	3.441	2.783	3.157	3.413	3.024	7	1.000	2.210	1.750	1.800	1.301	6.3	1.801	1.797	B	N	232140	817.09
SOF45 8/16-D4.0-08-1.25R	4.000	4.409	3.907	3.819	4.441	3.783	4.157	4.413	4.024	8	1.250	2.680	2.000	2.050	1.480	6.2	2.051	2.047	B	N	231663	1161.50
SOF45 8/16-D4.0-08-1.50R	4.000	4.409	3.907	3.819	4.441	3.783	4.157	4.413	4.024	8	1.500	3.150	2.000	2.050	1.480	4.7	2.051	2.047	B	N	248260	1161.50
SOF45 8/16-D5.0-10-1.50R	5.000	5.409	4.907	4.819	5.441	4.783	5.157	5.413	5.024	10	1.500	3.270	2.000	2.050	1.480	3.6	2.051	2.047	B	N	234277	1302.90





Designation	L	APMX	S	BS	RE	fz(min)	fz(max)	A.C.T. No.	Special Price $
S845 SNMU 1305ANR-MM IC808	.512	.236	.244	.118	.031	.0079	.0157	231922	25.19
S845 SNMU 1305ANR-MM IC830	.512	.236	.244	.118	.031	.0079	.0157	231664	25.19

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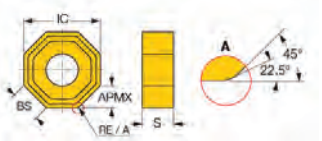

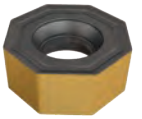

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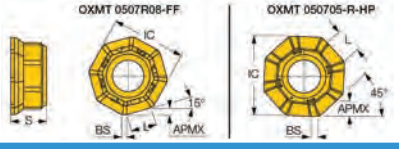
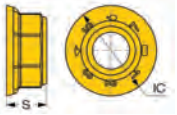
Designation	BS	IC	APMX	S	RE	fz(min)	fz(max)	A.C.T. No.	Special Price $
ONMU 050505-TN-MM IC808	.197	.512	.138	.200	.020	.0079	.0118	231921	23.37
ONMU 050505-TN-MM IC830	.197	.512	.138	.200	.020	.0079	.0118	231665	23.37



Designation	APMX	IC	BS	S	L	fz(min)	fz(max)	A.C.T. No.	Special Price $
OXMT 0507R08-FF IC808	.047	.571	.031	.276	.197	.0197	.0709	272690	28.06
OXMT 050705-R-HP IC830	.106	.594	.049	.276	.169	.0047	.0118	272691	22.41



Designation	IC	S	fz(min)	fz(max)	A.C.T. No.	Special Price $
RXMT 1607N IC830	.630	.276	.0031	.0118	272692	24.44
RXMT 1607NPL IC830	.630	.276	.0031	.0118	5607244*	24.44

Manufacturer part number listed.

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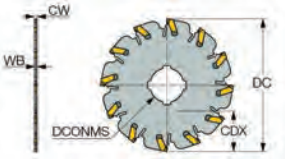
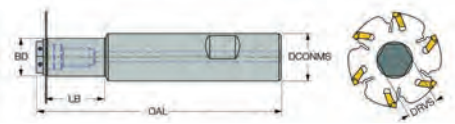


Member IMC Group

Designation	DC	CW	CICT	WB	DCONMS	CDX	RPMX	A.C.T. No.	Special Price $
SGST 32-8-0.8-4Z	1.26	0.031	4	0.027	0.315	0.315	2490	322240	494.50
SGST 32-8-1.0-4Z	1.26	0.039	4	0.035	0.315	0.315	2490	317851	494.50
SGST 32-8-1.2-4Z	1.26	0.047	4	0.042	0.315	0.315	2490	3346992*	494.50
SGST 40-10-0.8-6Z	1.575	0.031	6	0.027	0.394	0.472	1990	3336580*	512.92
SGST 40-10-1.0-6Z	1.575	0.039	6	0.035	0.394	0.472	1990	3336581*	512.92
SGST 40-10-1.2-6Z	1.575	0.047	6	0.042	0.394	0.472	1990	320348	512.92
SGST 50-13-0.8-9Z	1.968	0.031	9	0.027	0.512	0.492	1590	325576	624.43
SGST 50-13-1.0-9Z	1.968	0.039	9	0.035	0.512	0.492	1590	3336585*	624.43
SGST 50-13-1.2-9Z	1.968	0.047	9	0.042	0.512	0.492	1590	316169	624.43
SGST 63-16-1.0-12Z	2.48	0.039	12	0.035	0.63	0.748	1260	3336587*	704.90
SGST 63-16-1.2-12Z	2.48	0.047	12	0.042	0.63	0.748	1260	3336588*	704.90

Manufacturer part number listed.

SLIMSLIT



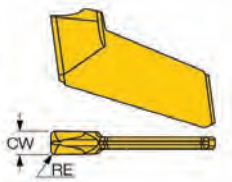
Member IMC Group

Designation	DCONMS	BD	LB	OAL	DRVS	A.C.T. No.	Special Price $
SW .625C-D32-JHP	0.625	0.591	0.984	4.09	0.512	317849	295.73
SW .75C-D40-JHP	0.75	0.63	0.984	4.09	0.512	320349	295.73
SW 1.00C-D50-JHP	1	-	-	4.52	0.787	316171	346.15
SW 1.00C-D63-JHP	1	-	-	4.52	0.787	3351727*	346.15

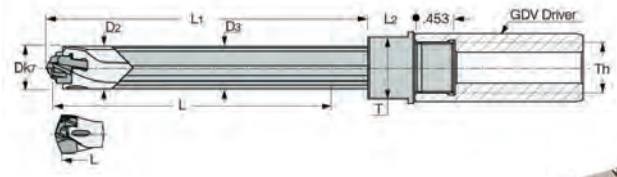
Manufacturer part number listed.

Designation	CW	RE	fg(min)	fg(max)	A.C.T. No.	Special Price $
GFT 0.8J-0.1 IC1008	0.031	0.0039	0.0012	0.0031	3337186*	15.47
GFT 0.8J-0.1 IC1028	0.031	0.0039	0.0012	0.0031	322241	15.47
GFT 1.0J-0.1 IC1008	0.039	0.0039	0.0012	0.0039	3337187*	15.47
GFT 1.0J-0.1 IC1028	0.039	0.0039	0.0012	0.0039	317850	15.47
GFT 1.2J-0.14 IC1008	0.047	0.0055	0.0012	0.0039	320350	14.77
GFT 1.2J-0.14 IC1028	0.047	0.0055	0.0012	0.0039	316170	14.77
GFT 1.6J-0.16 IC1008	0.063	0.0063	0.0012	0.0047	3345787*	14.77
GFT 1.6J-0.16 IC1028	0.063	0.0063	0.0012	0.0047	3345788*	14.77

Manufacturer part number listed.



MNCNT-T2 : Gundrills carrying standard SUMOCHAM CHAMDRILL LINE indexable inserts and a rear threaded connection which enables attaching different standard shank types.



Designation	D min	D max	D2	D3	Po. Size	L	L1	Th	L2	T	A.C.T. No.	Special Price $
MNCNT 100-800-MF16X1-T2	0.394	0.413	0.382	0.378	10	31.5	32.68	MF16X1	0.394	0.63	318362	793.86
MNCNT 105-400-MF16X1-T2	0.413	0.432	0.402	0.398	10	15.75	16.93	MF16X1	0.394	0.63	3203573*	694.88
MNCNT 110-800-MF16X1-T2	0.433	0.452	0.421	0.417	11	31.5	32.68	MF16X1	0.394	0.63	3203577*	793.86
MNCNT 115-800-MF16X1-T2	0.453	0.472	0.441	0.437	11	31.5	32.68	MF16X1	0.394	0.63	3203579*	793.86
MNCNT 120-800-MF16X1-T2	0.472	0.492	0.461	0.457	12	31.5	32.68	MF16X1	0.394	0.63	3203581*	836.28
MNCNT 125-800-MF16X1-T2	0.492	0.511	0.48	0.476	12	31.5	32.68	MF16X1	0.472	0.63	320121	836.28
MNCNT 130-400-MF16X1-T2	0.512	0.531	0.5	0.496	13	15.75	16.93	MF16X1	0.472	0.63	3203584*	734.27
MNCNT 130-800-MF16X1-T2	0.512	0.531	0.5	0.496	13	31.5	32.68	MF16X1	0.472	0.63	3203585*	836.28
MNCNT 140-800-MF16X1-T2	0.551	0.57	0.539	0.535	14	31.5	32.68	MF16X1	0.472	0.63	3260231*	878.70
MNCNT 145-800-MF16X1-T2	0.571	0.59	0.559	0.555	14	31.5	32.68	MF16X1	0.472	0.63	3260233*	878.70
MNCNT 150-800-MF16X1-T2	0.591	0.63	0.579	0.575	15	31.5	32.68	MF16X1	0.472	0.63	294355	878.70
MNCNT 160-800-MF20X1-T2	0.63	0.669	0.61	0.606	16	31.5	32.68	MF20X1	0.472	0.866	3203495*	931.22
MNCNT 170-800-MF20X1-T2	0.669	0.708	0.65	0.646	17	31.5	32.68	MF20X1	0.472	0.866	3260237*	931.22
MNCNT 180-800-MF20X1-T2	0.709	0.748	0.689	0.685	18	31.5	32.68	MF20X1	0.472	0.866	3203498*	989.80
MNCNT 190-800-MF20X1-T2	0.748	0.787	0.728	0.724	19	31.5	32.68	MF20X1	0.472	0.866	328227	989.80
MNCNT 200-800-MF20X1-T2	0.787	0.826	0.768	0.764	20	31.5	32.68	MF20X1	0.551	0.866	3203503*	1030.20
MNCNT 220-800-MF20X1-T2	0.866	0.905	0.846	0.843	22	31.5	32.68	MF20X1	0.551	0.866	3203591*	1070.60
MNCNT 230-400-MF20X1-T2	0.906	0.944	0.886	0.882	23	15.75	16.93	MF20X1	0.551	0.866	295130	938.29
MNCNT 230-800-MF20X1-T2	0.906	0.944	0.886	0.882	23	31.5	32.68	MF20X1	0.551	0.866	293509	1070.60
MNCNT 240-400-MF20X1-T2	0.945	0.984	0.925	0.921	24	15.75	16.93	MF20X1	0.551	0.866	3203504*	980.71
MNCNT 240-800-MF20X1-T2	0.945	0.984	0.925	0.921	24	31.5	32.68	MF20X1	0.551	0.866	3260238*	1111.00
MNCNT 250-400-MF20X1-T2	0.984	1.023	0.965	0.965	25	15.75	16.93	MF20X1	0.551	0.866	294941	980.71
MNCNT 250-800-MF20X1-T2	0.984	1.023	0.965	0.965	25	31.5	32.68	MF20X1	0.551	0.866	294352	1111.00

**Manufacturer part number listed.*

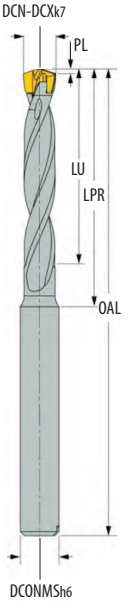
FOR DRILLING HEADS SEE NEXT PAGE

SUMOCHAM CHAMDRILL LINE

Member IMC Group ISCAR

Designation	DCN	DCX	DCONMS	LU	PL	LS	OAL	Po. Size	A.C.T. No.	Special Price $
3 X L/D Ratio with Cylindrical Shank										
DCN 0157-047-0236C-3D	0.157	0.173	0.236	0.47	0.0244	1.38	2.272	4	3346594*	253.51
DCN 0177-055-0236C-3D	0.177	0.193	0.236	0.53	0.026	1.38	2.348	4.5	3346595*	253.51
DCN 0197-059-0236C-3D	0.197	0.213	0.236	0.59	0.0287	1.38	2.413	5	343759	253.51
DCN 0216-067-0236C-3D	0.217	0.232	0.236	0.65	0.0319	1.38	2.486	5.5	3346491*	253.51
DCN 0236-071-0315C-3D	0.236	0.252	0.315	0.71	0.0378	1.42	2.52	6	3359465*	253.51
DCN 0256-079-0315C-3D	0.256	0.272	0.315	0.77	0.0464	1.42	2.591	6.5	3359476*	253.51
DCN 0275-082-0315C-3D	0.275	0.291	0.315	0.83	0.0398	1.42	2.661	7	3359493*	253.51
DCN 0295-089-0315C-3D	0.295	0.311	0.315	0.89	0.0398	1.42	2.72	7	3359495*	253.51
DCN 0315-094-0394C-3D	0.315	0.331	0.394	0.94	0.0472	1.57	2.969	8	3359497*	253.51
DCN 0335-102-0394C-3D	0.335	0.35	0.394	1	0.0472	1.57	3.028	8	3359499*	253.51
DCN 0354-106-0394C-3D	0.354	0.37	0.394	1.06	0.0492	1.57	3.102	9	3359501*	253.51
DCN 0374-112-0394C-3D	0.374	0.39	0.394	1.12	0.0492	1.57	3.161	9	3359503*	253.51
5 X L/D Ratio with Cylindrical Shank										
DCN 0157-079-0236C-5D	0.157	0.173	0.236	0.79	0.0244	1.38	2.587	4	3344515*	298.96
DCN 0177-090-0236C-5D	0.177	0.193	0.236	0.89	0.026	1.38	2.703	4.5	3346596*	298.96
DCN 0197-098-0236C-5D	0.197	0.213	0.236	0.98	0.0287	1.38	2.807	5	3310521*	298.96
DCN 0216-110-0236C-5D	0.217	0.232	0.236	1.08	0.0319	1.38	2.919	5.5	337612	298.96
DCN 0236-118-0315C-5D	0.236	0.252	0.315	1.18	0.0378	1.42	2.992	6	3359466*	298.96
DCN 0256-130-0315C-5D	0.256	0.272	0.315	1.28	0.0464	1.42	3.102	6.5	332747	298.96
DCN 0275-138-0315C-5D	0.275	0.291	0.315	1.38	0.0398	1.42	3.213	7	3359494*	298.96
DCN 0295-148-0315C-5D	0.295	0.311	0.315	1.48	0.0398	1.42	3.311	7	3359496*	298.96
DCN 0315-157-0394C-5D	0.315	0.331	0.394	1.57	0.0472	1.57	3.598	8	3359498*	298.96
DCN 0335-169-0394C-5D	0.335	0.35	0.394	1.67	0.0472	1.57	3.697	8	3359500*	298.96
DCN 0354-177-0394C-5D	0.354	0.37	0.394	1.77	0.0492	1.57	3.811	9	3359502*	298.96
DCN 0374-187-0394C-5D	0.374	0.39	0.394	1.87	0.0492	1.57	3.909	9	332748	298.96

*Manufacturer part number listed.



SUMOCHAM CHAMDRILL LINE

ISCAR's SumoCham drill family is the next evolution of the very successful **CHAMDRILL** and **CHAMDRILLJET** families. The new family has similar features, with improved head and pocket design, no setup time, Fast Metal Removal and economical indexing. SUMOCHAM drills with indexable heads, one flat shank and internal coolant holes. Feature 4 standard drilling head types for drilling on 4 different material groups.

Drill bodies are available in cylidrical or single flat shanks, with or without flange

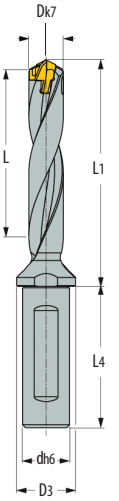
Available lengths include 1.5, 3, 5, 8 and 12 X L/D ratio

Call A.C.T. for availabilty

5 X L/D Ratio with Flatted Shank

Designation	D min	D max	L	d	D3	L1	L4	Po. Size	A.C.T. No.	Special Price $
DCN 0236-118-050A-5D	0.236	0.25	1.18	0.5	0.63	1.73	1.77	6	275089	298.96
DCN 0275-138-050A-5D	0.275	0.291	1.38	0.5	0.63	1.95	1.77	7	258180	298.96
DCN 0295-148-050A-5D	0.295	0.311	1.48	0.5	0.63	2.05	1.77	7	260777	298.96
DCN 0315-157-050A-5D	0.315	0.331	1.57	0.5	0.63	2.18	1.77	8	243930	298.96
DCN 0354-177-050A-5D	0.354	0.37	1.77	0.5	0.63	2.39	1.77	9	250400	298.96
DCN 0374-187-050A-5D	0.374	0.39	1.87	0.5	0.63	2.49	1.77	9	247897	298.96
DCN 0394-196-063A-5D	0.394	0.409	1.96	0.625	0.79	2.61	1.89	10	242786	326.23
DCN 0433-216-063A-5D	0.433	0.449	2.16	0.625	0.79	2.82	1.89	11	241512	335.32
DCN 0472-236-063A-5D	0.472	0.488	2.36	0.625	0.79	3.03	1.89	12	245133	335.32
DCN 0492-246-063A-5D	0.492	0.508	2.46	0.625	0.79	3.13	1.89	12	242428	360.57
DCN 0512-256-063A-5D	0.512	0.528	2.56	0.625	0.79	3.25	1.89	13	245136	360.57
DCN 0551-275-063A-5D	0.551	0.567	2.75	0.625	0.79	3.55	1.89	14	242430	360.57
DCN 0591-295-075A-5D	0.591	0.626	2.95	0.75	0.98	3.89	1.97	15	244945	384.81
DCN 0630-315-075A-5D	0.63	0.665	3.15	0.75	0.98	4.15	1.97	16	241326	384.81
DCN 0669-335-075A-5D	0.669	0.705	3.35	0.75	0.98	4.41	1.97	17	244925	459.55
DCN 0709-354-100A-5D	0.709	0.744	3.54	1	1.26	4.67	2.2	18	244987	459.55
DCN 0748-374-100A-5D	0.748	0.783	3.74	1	1.26	4.92	2.2	19	246803	505.00
DCN 0787-394-100A-5D	0.787	0.823	3.94	1	1.26	5.18	2.2	20	245730	505.00
DCN 0827-413-100A-5D	0.827	0.862	4.13	1	1.26	5.44	2.2	21	245356	606.00
DCN 0866-433-100A-5D	0.866	0.902	4.33	1	1.26	5.7	2.2	22	247991	606.00
DCN 0906-453-125A-5D	0.906	0.941	4.53	1.25	1.65	5.96	2.36	23	248139	665.59
DCN 0945-472-125A-5D	0.945	0.98	4.72	1.25	1.65	6.22	2.36	24	250914	665.59
DCN 0984-492-125A-5D	0.984	1.02	4.92	1.25	1.65	6.48	2.36	25	245507	745.38
DCN 1102-551-125A-5D	1.102	1.138	5.51	1.25	1.65	7.25	2.36	28	294573	792.85
DCN 1220-610-125A-5D	1.22	1.256	6.1	1.25	1.65	8.03	2.36	31	287900	879.71

*Manufacturer part number listed.



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SUMOCHAM CHAMDRILL LINE Drilling Heads

Member IMC Group

Head Dia.	HCP-IQ		ICP		FCP		ICM		ICK	
	A.C.T. No.	Price $	A.C.T. No.	Price $	A.C.T. No.	Price $	A.C.T. No.	Price $	A.C.T. No.	Price $
0.157	-	-	335579	88.08	-	-	-	-	-	-
0.161	-	-	3346598*	88.08	-	-	-	-	-	-
0.165	-	-	3346599*	88.08	-	-	-	-	-	-
0.169	-	-	3346600*	88.08	-	-	-	-	-	-
0.173	-	-	3346601*	88.08	-	-	-	-	-	-
0.177	-	-	3346602*	88.08	-	-	-	-	-	-
0.181	-	-	3346603*	88.08	-	-	-	-	-	-
0.185	-	-	3346604*	88.08	-	-	-	-	-	-
0.189	-	-	3346605*	88.08	-	-	-	-	-	-
0.193	-	-	341721	88.08	-	-	-	-	-	-
0.197	-	-	3310523*	88.08	-	-	328454	89.35	3346505*	87.59
0.2	-	-	327802	88.08	-	-	327737	89.35	-	-
0.204	-	-	3346493*	88.08	-	-	3368663*	89.35	-	-
0.208	-	-	3346494*	88.08	-	-	3368664*	89.35	-	-
0.212	-	-	3346495*	88.08	-	-	3368665*	89.35	-	-
0.216	-	-	3346497*	88.08	-	-	3346503*	89.35	3346506*	87.59
0.22	-	-	3346498*	88.08	-	-	3368666*	89.35	-	-
0.224	-	-	3346499*	88.08	-	-	3368667*	89.35	-	-
0.228	-	-	3346500*	88.08	-	-	3368668*	89.35	-	-
0.232	-	-	3346501*	88.08	-	-	3346504*	89.35	3346508*	87.59
0.2360	3311592*	94.15	287130	86.26	3311613*	92.00	-	-	-	-
0.2480	3311598*	94.15	291192	86.26	3311616*	92.00	-	-	-	-
0.2750	3311603*	94.15	265280	86.26	3311633*	92.00	-	-	-	-
0.3110	310671	94.15	251610	86.26	3311642*	92.00	-	-	-	-
0.3150	-	-	-	-	340165	92.00	-	-	-	-
0.3543	5567333*	94.15	261381	86.26	274211	92.00	-	-	-	-
0.3740	296847	94.15	247695	86.26	-	-	-	-	-	-
0.3937	296399	98.95	249513	90.77	284695	96.99	-	-	-	-
0.4330	5567337*	102.87	248176	94.42	5509957*	99.93	-	-	-	-
0.4370	289186	102.87	242424	94.42	288587	99.93	-	-	-	-
0.4724	336703	102.87	243773	94.42	5509959*	99.93	-	-	-	-
0.5000	286933	107.77	242425	98.83	287370	105.81	-	-	-	-
0.5118	289993	107.77	245342	98.83	276952	105.81	-	-	-	-
0.5512	287489	107.77	245364	98.83	299118	105.81	-	-	-	-
0.5625	289143	107.77	243645	98.83	289076	105.81	-	-	-	-
0.5906	309343	113.65	245365	104.59	283526	110.71	-	-	-	-
0.6250	288971	113.65	241897	104.59	282894	110.71	-	-	-	-
0.6299	300737	113.65	241327	104.59	277200	110.71	-	-	-	-
0.6693	290995	131.28	245366	120.90	332787	127.37	-	-	-	-
0.6890	289184	131.28	246115	120.90	286805	127.37	-	-	-	-
0.7087	286573	131.28	274885	120.90	5560519*	127.37	-	-	-	-
0.7480	300493	143.04	244434	131.46	274359	140.10	-	-	-	-
0.7874	294705	156.76	250561	144.89	285962	153.82	-	-	-	-
0.8110	289182	156.76	247925	144.89	286806	153.82	-	-	-	-
0.8268	292601	170.47	245367	154.48	5509977*	167.53	-	-	-	-
0.8661	299213	170.47	245369	154.48	282125	167.53	-	-	-	-
0.8740	293380	170.47	246175	154.48	286280	167.53	-	-	-	-
0.9055	304328	170.47	245370	154.48	5509981*	167.53	-	-	-	-
0.9370	314623	170.47	247906	154.48	294790	167.53	-	-	-	-
0.9449	5567363*	184.19	245372	167.92	281935	179.29	-	-	-	-
0.9843	321540	184.19	245373	167.92	283756	179.29	-	-	-	-
1.0000	291664	184.19	247926	167.92	284833	179.29	-	-	-	-
1.1220	329308	208.68	-	-	332573	204.76	-	-	-	-
1.1250	-	-	283554	192.86	-	-	-	-	-	-
1.2500	-	-	286193	204.38	-	-	-	-	-	-
1.2600	317216	223.38	-	-	-	-	-	-	-	-

**Manufacturer part number listed.*

ISCAR's **SumoCham** line comes with 4 standard geometries which are suitable for machining the most popular and common material groups used daily in industry. Sizing is available in .004" increments in most styles.

HCP-IQ Heads for Alloy Steel and Cast Iron

HCP-IQ Self-centering drillingheads with a unique cutting edge profile which enables drilling up to 12XD without requiring a pilot hole operation. Can be used on alloy steel and cast iron

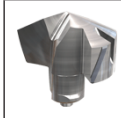
ICP Drill Heads for ISO P Materials

ICP drill heads for carbon and alloy steel, designed with a honed cutting edge

FCP Flat Bottom Drill Heads

FCP flat bottom drill heads for carbon and alloy steel and cast iron, designed with a honed cutting edge

Other heads avialable, Please call ACT for details



ICK drill heads, designed with a honed cutting edge for Cast Iron
ICM drill heads, featuring a T-land on the cutting edge for stainless steel and high temperature alloys

ICP-2M drills for machining carbon and alloy steel with high surface finish results
ICK-2M drills for machining cast iron with high surface finish results

ICG chip splitting drilling heads for stainless and alloyed steel, featuring chip splitting notches on the cutting edge and an impressed chip breaker

ICN drilling head designed with a sharp cutting edge and polished rake face for aluminum

ISCARDRILL

SumoCham Exchangeable Head Dills Variety

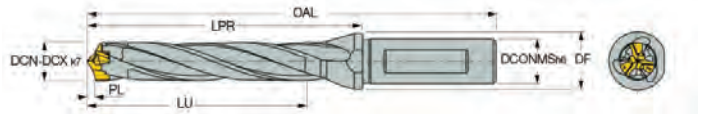
ICP geometry is designed for machining the ISO P materials group, with an ultimate shape for high productivity and outstanding chip forming on soft steel.
HCP geometry is designed with concave cutting edges, this substantially enhances the self-centering capability of the drill, which enables using long drills (up to 12XD), without a pilot hole operation.

FCP geometry provides a nearly flat bottom in the hole, which is required in a variety of applications.
ICK geometry was designed for extremely high feed rates, while maintaining long tool life on the ISO K materials group.
ICM geometry provides ultimate performance on austenitic stainless steel and other difficult-to-machine materials from the ISO M group.
ICG geometry designed with chip splitting notches on the cutting edge and an impressed chip breaker on the rake for superior chip control on a wide range of materials.
ICN geometry comes with sharp cutting edges and polished flutes, which are suitable for machining the ISO N materials group.

For improved hole accuracy as well as higher surface finish quality, the SUMOCHAM line provides 2M (double margin) geometry. 2M concept comes on ICP and ICK heads.

LOGIQ 3 CHAM
THREE FLUTE CHAMDRILL

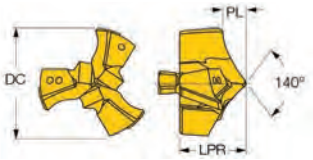
- 3 Effective Cutting Edges for Higher Drilling Productivity
- Single type geometry suitable for both ISO P and ISO K materials
- Unique wavy and honed cutting edges enable best chip form and easy chip evacuation process
- Patented concave cutting edges enable smooth penetration, excellent centering and stable drilling process
- 15° corner chamfer increases wear resistance and strengthens the cutting corner
- Dovetail clamping prevents the head from being extracted from the pocket during retraction
- Available in 1.5, 3 and 5 drilling depth to diameter ratios according to the list

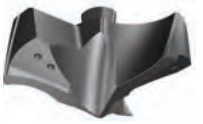


5 X L/D Ratio with Flatted Shank

Designation	DCN	DCX	LU	PL	DCONMS	DF	LPR	OAL	Po. Size	A.C.T. No.	Special Price $
D3N 0472-236-063A-5D	0.472	0.488	2.63	0.1067	0.625	0.79	3.344	5.233	12	3346816*	384.81
D3N 0492-246-063A-5D	0.492	0.508	2.73	0.1067	0.625	0.79	3.471	5.361	12	3346818*	414.10
D3N 0512-256-063A-5D	0.512	0.528	2.86	0.1146	0.625	0.79	3.625	5.515	13	338977	414.10
D3N 0531-266-063A-5D	0.531	0.547	2.96	0.1146	0.625	0.79	3.753	5.643	13	3346832*	414.10
D3N 0551-275-063A-5D	0.551	0.567	3.07	0.1221	0.625	0.79	3.901	5.791	14	3346835*	414.10
D3N 0571-285-063A-5D	0.571	0.587	3.17	0.1221	0.625	0.79	4.029	5.919	14	326868	422.18
D3N 0591-295-075A-5D	0.591	0.626	3.29	0.1366	0.75	0.98	4.18	6.148	15	3346844*	441.37
D3N 0630-315-075A-5D	0.63	0.665	3.51	0.1354	0.75	0.98	4.459	6.428	16	327540	441.37
D3N 0709-354-100A-5D	0.709	0.744	3.95	0.1536	1	1.26	5.015	7.219	18	326502	528.23
D3N 0748-374-100A-5D	0.748	0.783	4.17	0.1614	1	1.26	5.292	7.497	19	327165	581.76
D3N 0787-394-100A-5D	0.787	0.823	4.38	0.1701	1	1.26	5.561	7.766	20	338518	581.76
D3N 0827-413-100A-5D	0.827	0.862	4.6	0.1791	1	1.26	5.839	8.044	21	3346978*	695.89
D3N 0866-433-100A-5D	0.866	0.902	4.83	0.1847	1	1.26	6.127	8.332	22	3346980*	695.89
D3N 0906-453-125A-5D	0.906	0.941	5.04	0.1933	1.25	1.65	6.398	8.76	23	3346982*	764.57

**Manufacturer part number listed.*





Exchangeable 3 flute drilling heads for carbon and alloy steel (ISO P) and cast iron (ISO K)

Designation	DC	LPR	PL	KCH	BCH	A.C.T. No.	Special Price $
H3P 0551-IQ IC908	0.551	0.319	0.122	15	0.016	3335742*	128.34
H3P 0555-IQ IC908	0.555	0.319	0.122	15	0.016	3352962*	128.34
H3P 0559-IQ IC908	0.559	0.319	0.122	15	0.016	3335745*	128.34
H3P 0563-IQ IC908	0.563	0.319	0.122	15	0.016	328698	128.34
H3P 0567-IQ IC908	0.567	0.319	0.122	15	0.016	343503	128.34
H3P 0571-IQ IC908	0.571	0.319	0.122	15	0.016	3335747*	128.34
H3P 0575-IQ IC908	0.575	0.319	0.122	15	0.016	3335748*	128.34
H3P 0579-IQ IC908	0.579	0.319	0.122	15	0.016	326867	128.34
H3P 0583-IQ IC908	0.583	0.319	0.122	15	0.016	3352966*	128.34
H3P 0587-IQ IC908	0.587	0.319	0.122	15	0.016	3352967*	128.34
H3P 0591-IQ IC908	0.591	0.341	0.1366	15	0.016	3335750*	135.20
H3P 0594-IQ IC908	0.594	0.341	0.1366	15	0.016	3335751*	135.20
H3P 0598-IQ IC908	0.598	0.341	0.1366	15	0.016	3352968*	135.20
H3P 0602-IQ IC908	0.602	0.341	0.1366	15	0.016	3335752*	135.20
H3P 0606-IQ IC908	0.606	0.341	0.1366	15	0.016	3335753*	135.20
H3P 0610-IQ IC908	0.61	0.341	0.1366	15	0.016	3335754*	135.20
H3P 0614-IQ IC908	0.614	0.341	0.1366	15	0.016	3352969*	135.20
H3P 0618-IQ IC908	0.618	0.341	0.1366	15	0.016	3352970*	135.20
H3P 0622-IQ IC908	0.622	0.341	0.1366	15	0.016	3352971*	135.20
H3P 0625-IQ IC908	0.626	0.341	0.1366	15	0.016	336124	135.20
H3P 0630-IQ IC908	0.63	0.365	0.1354	15	0.016	319781	135.20
H3P 0634-IQ IC908	0.634	0.365	0.1354	15	0.016	3335756*	150.88

**Manufacturer part number listed.*

Table continues on the next page

Exchangeable 3 flute drilling heads for carbon and alloy steel (ISO P) and cast iron (ISO K)

Designation	DC	LPR	PL	KCH	BCH	A.C.T. No.	Special Price $
H3P 0638-IQ IC908	0.638	0.365	0.1354	15	0.016	3352972*	150.88
H3P 0642-IQ IC908	0.642	0.365	0.1354	15	0.016	3352974*	150.88
H3P 0646-IQ IC908	0.646	0.365	0.1354	15	0.016	3352975*	150.88
H3P 0650-IQ IC908	0.65	0.365	0.1354	15	0.016	3335758*	150.88
H3P 0654-IQ IC908	0.654	0.365	0.1354	15	0.016	3352976*	150.88
H3P 0657-IQ IC908	0.657	0.365	0.1354	15	0.016	342952	150.88
H3P 0661-IQ IC908	0.661	0.365	0.1354	15	0.016	3352977*	150.88
H3P 0665-IQ IC908	0.665	0.365	0.1354	15	0.016	3352978*	150.88
H3P 0669-IQ IC908	0.669	0.383	0.1386	15	0.016	3335760*	157.74
H3P 0673-IQ IC908	0.673	0.383	0.1386	15	0.016	3353012*	157.74
H3P 0677-IQ IC908	0.677	0.383	0.1386	15	0.016	3353013*	157.74
H3P 0681-IQ IC908	0.681	0.383	0.1386	15	0.016	3353014*	157.74
H3P 0685-IQ IC908	0.685	0.383	0.1386	15	0.016	330204	157.74
H3P 0689-IQ IC908	0.689	0.383	0.1386	15	0.016	323297	157.74
H3P 0693-IQ IC908	0.693	0.383	0.1386	15	0.016	3335762*	157.74
H3P 0697-IQ IC908	0.697	0.383	0.1386	15	0.016	3353016*	157.74
H3P 0701-IQ IC908	0.701	0.383	0.1386	15	0.016	342950	157.74
H3P 0705-IQ IC908	0.705	0.383	0.1386	15	0.016	3353018*	157.74
H3P 0709-IQ IC908	0.709	0.408	0.1535	15	0.016	326503	157.74
H3P 0713-IQ IC908	0.713	0.408	0.1535	15	0.016	3353019*	171.45
H3P 0717-IQ IC908	0.717	0.408	0.1535	15	0.016	3353020*	171.45
H3P 0720-IQ IC908	0.72	0.408	0.1535	15	0.016	3353021*	171.45
H3P 0724-IQ IC908	0.724	0.408	0.1535	15	0.016	3353022*	171.45
H3P 0728-IQ IC908	0.728	0.408	0.1535	15	0.016	3335764*	171.45
H3P 0732-IQ IC908	0.732	0.408	0.1535	15	0.016	3353023*	171.45
H3P 0736-IQ IC908	0.736	0.408	0.1535	15	0.016	3353024*	171.45
H3P 0740-IQ IC908	0.74	0.408	0.1535	15	0.016	3353025*	171.45
H3P 0744-IQ IC908	0.744	0.408	0.1535	15	0.016	3353026*	171.45
H3P 0748-IQ IC908	0.748	0.43	0.1614	15	0.016	343579	171.45
H3P 0750-IQ IC908	0.75	0.43	0.1614	15	0.016	325272	171.45
H3P 0752-IQ IC908	0.752	0.43	0.1614	15	0.016	3353027*	171.45
H3P 0756-IQ IC908	0.756	0.43	0.1614	15	0.016	3353028*	171.45
H3P 0760-IQ IC908	0.76	0.43	0.1614	15	0.016	3353029*	171.45
H3P 0764-IQ IC908	0.764	0.43	0.1614	15	0.016	339681	171.45
H3P 0768-IQ IC908	0.768	0.43	0.1614	15	0.016	3335766*	171.45
H3P 0772-IQ IC908	0.772	0.43	0.1614	15	0.016	3353031*	171.45
H3P 0776-IQ IC908	0.776	0.43	0.1614	15	0.016	3353032*	171.45
H3P 0780-IQ IC908	0.78	0.43	0.1614	15	0.016	342949	171.45
H3P 0783-IQ IC908	0.783	0.43	0.1614	15	0.016	3353034*	171.45
H3P 0787-IQ IC908	0.787	0.443	0.1701	15	0.016	328700	187.13
H3P 0791-IQ IC908	0.791	0.443	0.1701	15	0.016	3353039*	187.13
H3P 0795-IQ IC908	0.795	0.443	0.1701	15	0.016	3353040*	187.13
H3P 0799-IQ IC908	0.799	0.443	0.1701	15	0.016	3353041*	187.13
H3P 0803-IQ IC908	0.803	0.443	0.1701	15	0.016	3353042*	187.13
H3P 0807-IQ IC908	0.807	0.443	0.1701	15	0.016	3346806*	187.13
H3P 0811-IQ IC908	0.811	0.443	0.1701	15	0.016	338517	187.13
H3P 0819-IQ IC908	0.819	0.443	0.1701	15	0.016	3353048*	187.13
H3P 0823-IQ IC908	0.823	0.443	0.1701	15	0.016	3353049*	187.13
H3P 0850-IQ IC908	0.85	0.465	0.1791	15	0.016	3353057*	203.78
H3P 0854-IQ IC908	0.854	0.465	0.1791	15	0.016	3353058*	203.78
H3P 0866-IQ IC908	0.866	0.497	0.1846	15	0.016	3335770*	203.78
H3P 0913-IQ IC908	0.913	0.512	0.1933	15	0.016	3353143*	203.78
H3P 0917-IQ IC908	0.917	0.512	0.1933	15	0.016	336915	203.78
H3P 0929-IQ IC908	0.929	0.512	0.1933	15	0.016	3353147*	203.78

**Manufacturer part number listed.*

Now available for Flat Bottom drilling applications and drill body lengths to 8xD!
Contact your nearest A.C.T. Branch for more information.

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A full range of Porting Tools for SAE, ISO, BSPP/BSPF, and NASA Specifications. Cutters produce the form and finish required on internal straight thread o-ring ports in a single operation. Many other series available, please enquire. ***MT shank tools also available.***

MADE IN USA

163 Series - Straight Shank - SAE J1926, MS 16142

Thread Size	Tube		Shank Length	High Speed Steel			
	No.	O.D.		Dia.	Model No.	A.C.T. No.	Price $
5/16-24	2	.125"	3.125"	.500"	SAE-02H	313005	247.68
3/8-24	3	.187"	3.125"	.500"	SAE-03H	308316	247.68
7/16-20	4	.250"	3.125"	.500"	SAE-04H	306748	247.68
1/2-20	5	.312"	3.125"	.500"	SAE-05H	313006	257.71
9/16-18	6	.375"	3.125"	.500"	SAE-06H	308344	257.71
3/4-16	8	.500"	3.875"	.750"	SAE-08H	313007	273.75
7/8-14	10	.625"	3.875"	.750"	SAE-10H	313008	304.83
1.1/16-12	12	.750"	3.875"	.750"	SAE-12H	307181	357.98
1.3/16-12	14	.875"	3.875"	.750"	SAE-14H	313009	392.07
1.5/16-12	16	1.000"	3.875"	.750"	SAE-16H	313010	457.24
1.5/8-12	20	1.250"	4.875"	1.000"	SAE-20H	313011	581.57
1.7/8-12	24	1.500"	4.875"	1.000"	SAE-24H	313012	725.96
2.1/2-12	32	2.000"	4.875"	1.000"	SAE-32H	313013	918.48

Surface Feet Per Minute and Inch Per Revolution

HSS Cutters

Material	SFM*	IPR**
Aluminum	200	.009 - .012
Cast Iron	60	.009 - .012
Mild Steel	50	.006 - .009

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***Based on 3-fluted tool.*
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Carbide Burrs - Standard Master Cut

CTI rotary burrs are manufactured on C.N.C. robotic fluting machines. Standard cuts, (also referred to as Double Cut and Standard Master Cut), radial rake, and 30° right hand spiral are furnished unless otherwise specified. Carbide burrs are available in a wide variety of head shapes and diameters to meet any filing, deburring, or finishing requirements.

Shape A: Cylindrical - No End Cut

Model No.	Head Dia.	Length of Cut	Shank Dia.	A.C.T. No.	Special Price $
SA-43	1/8"	9/16"	1/8"	79821	5.36
SA-53	3/16"	1/2"	1/8"	85323	12.85
SA-51	1/4"	1/2"	1/8"	79822	8.76
SA-1	1/4"	5/8"	1/4"	79807	9.13
SA-2	5/16"	3/4"	1/4"	79808	11.93
SA-3	3/8"	3/4"	1/4"	79809	12.85
SA-4	7/16"	1"	1/4"	79810	18.58
SA-5	1/2"	1"	1/4"	79811	20.03
SA-6	5/8"	1"	1/4"	79814	25.24
SA-7	3/4"	1"	1/4"	79815	37.57

Shape B: Cylindrical - End Cut

Model No.	Head Dia.	Length of Cut	Shank Dia.	A.C.T. No.	Special Price $
SB-42	3/32"	7/16"	1/8"	99777	5.36
SB-43	1/8"	9/16"	1/8"	79827	5.36
SB-53	3/16"	1/2"	1/8"	89903	13.38
SB-51	1/4"	1/2"	1/8"	89898	8.76
SB-1	1/4"	5/8"	1/4"	79824	9.90
SB-2	5/16"	3/4"	1/4"	87802	13.15
SB-3	3/8"	3/4"	1/4"	79825	14.12
SB-4	7/16"	1"	1/4"	80091	20.54
SB-5	1/2"	1"	1/4"	79826	22.03
SB-6	5/8"	1"	1/4"	80092	27.71
SB-7	3/4"	1"	1/4"	80093	41.34

Shape C: Cylindrical - Radius End

Model No.	Head Dia.	Length of Cut	Shank Dia.	A.C.T. No.	Special Price $
SC-41	3/32"	7/16"	1/8"	79837	5.36
SC-42	1/8"	9/16"	1/8"	79838	5.36
SC-53	3/16"	1/2"	1/8"	86006	12.85
SC-51	1/4"	1/2"	1/8"	79839	8.76
SC-1	1/4"	5/8"	1/4"	79828	10.63
SC-2	5/16"	3/4"	1/4"	79829	13.02
SC-3	3/8"	3/4"	1/4"	79830	14.28
SC-4	7/16"	1"	1/4"	79831	20.40
SC-5	1/2"	1"	1/4"	79832	22.48
SC-6	5/8"	1"	1/4"	79833	28.28
SC-7	3/4"	1"	1/4"	79834	40.58

All burrs are Standard Master cut unless otherwise requested. Other cuts, shapes and sizes are available upon request.

Shape D: Ball

Model No.	Head Dia.	Length of Cut	Shank Dia.	A.C.T. No.	Special Price $
SD-41	3/32"	3/32"	1/8"	79851	5.36
SD-42	1/8"	1/8"	1/8"	79852	5.36
SD-53	3/16"	3/16"	1/8"	79854	12.85
SD-51	1/4"	1/4"	1/8"	79853	8.76
SD-1	1/4"	1/4"	1/4"	79841	9.78
SD-2	5/16"	5/16"	1/4"	79842	10.51
SD-3	3/8"	3/8"	1/4"	79843	11.73
SD-4	7/16"	7/16"	1/4"	79844	13.55
SD-5	1/2"	1/2"	1/4"	79845	15.82
SD-6	5/8"	5/8"	1/4"	79846	19.60
SD-7	3/4"	3/4"	1/4"	79847	27.06

Shape E: Oval

Model No.	Head Dia.	Length of Cut	Shank Dia.	A.C.T. No.	Special Price $
SE-41	1/8"	7/32"	1/8"	79812	5.36
SE-53	3/16"	9/32"	1/8"	79863	12.85
SE-51	1/4"	3/8"	1/8"	79862	8.76
SE-1	1/4"	3/8"	1/4"	79857	11.93
SE-3	3/8"	5/8"	1/4"	79858	14.28
SE-5	1/2"	7/8"	1/4"	79859	20.94
SE-6	5/8"	1"	1/4"	79860	29.08
SE-7	3/4"	1"	1/4"	79861	39.02

Shape F: Tree - Radius End

Model No.	Head Dia.	Length of Cut	Shank Dia.	A.C.T. No.	Special Price $
SF-42	1/8"	1/2"	1/8"	79875	5.36
SF-53	3/16"	1/2"	1/8"	79877	12.85
SF-51	1/4"	1/2"	1/8"	79876	8.76
SF-1	1/4"	5/8"	1/4"	79865	11.09
SF-3	3/8"	3/4"	1/4"	79866	13.99
SF-4	7/16"	1"	1/4"	79867	19.43
SF-5	1/2"	1"	1/4"	79868	20.70
SF-6	5/8"	1"	1/4"	79869	28.56
SF-7	3/4"	1"	1/4"	79870	37.57

Ask your nearest A.C.T. Branch about carbide burr re-sharpening services

Shape G: Tree - Pointed End

Model No.	Head Dia.	Length of Cut	Shank Dia.	A.C.T. No.	Special Price $
SG-41	1/8"	1/4"	1/8"	90733	5.36
SG-43	1/8"	3/8"	1/8"	79813	5.36
SG-51	1/4"	1/2"	1/8"	79887	8.76
SG-1	1/4"	5/8"	1/4"	79879	11.09
SG-2	5/16"	3/4"	1/4"	79880	13.47
SG-3	3/8"	3/4"	1/4"	79881	14.93
SG-5	1/2"	1"	1/4"	79882	20.29
SG-6	5/8"	1"	1/4"	79883	28.23
SG-7	3/4"	1"	1/4"	79884	37.57

Shape H: Flame

Model No.	Head Dia.	Length of Cut	Shank Dia.	A.C.T. No.	Special Price $
SH-41*	1/8"	1/4"	1/8"	79894	5.36
SH-53*	3/16"	3/8"	1/8"	79895	12.85
SH-2	5/16"	3/4"	1/4"	79890	14.68
SH-5	1/2"	1.1/4"	1/4"	79891	29.94
SH-6	5/8"	1.7/16"	1/4"	79892	41.34

Shape L: Taper - 14° Angle

Model No.	Head Dia.	Length of Cut	Shank Dia.	Incl. Angle	A.C.T. No.	Special Price $
SL-42	1/8"	1/2"	1/8"	14°	79918	5.36
SL-1	1/4"	5/8"	1/4"	14°	79909	11.36
SL-2	5/16"	7/8"	1/4"	14°	79910	14.89
SL-3	3/8"	1.1/16"	1/4"	14°	79911	17.85
SL-4	1/2"	1.1/8"	1/4"	14°	79912	21.83
SL-5	5/8"	1.5/16"	1/4"	14°	79913	38.99

Shape M: Taper

Model No.	Head Dia.	Length of Cut	Shank Dia.	Incl. Angle	A.C.T. No.	Special Price $
SM-41	1/8"	3/8"	1/8"	12°	79919	5.36
SM-42	1/8"	7/16"	1/8"	14°	79920	5.36
SM-43	1/8"	5/8"	1/8"	7°	79921	5.36
SM-53	3/16"	1/2"	1/8"	16°	89254	12.85
SM-51	1/4"	1/2"	1/8"	22°	79922	8.76
SM-1	1/4"	1/2"	1/4"	22°	79923	10.75
SM-2	1/4"	3/4"	1/4"	14°	79924	11.36
SM-3	1/4"	1"	1/4"	10°	79925	12.13
SM-4	3/8"	5/8"	1/4"	28°	79926	17.89
SM-5	1/2"	7/8"	1/4"	28°	79927	22.43
SM-6	5/8"	1"	1/4"	31°	79928	29.94

**Pointed end*

Carbide Burrs - Alumicut

Large flute design for efficient chip evacuation in aluminum, plastic and soft alloy applications. Other cuts, shapes and sizes are available upon request.

Shape A: Cylindrical - No End Cut

Model No.	Head Dia.	Length of Cut	A.C.T. No.	Special Price $
SA101	1/4"	5/8"	117518	12.41
SA103	3/8"	3/4"	79966	18.58
SA105	1/2"	1"	79967	27.22

Shape D: Ball

Model No.	Head Dia.	Length of Cut	A.C.T. No.	Special Price $
SD103	3/8"	3/8"	79970	15.30
SD105	1/2"	1/2"	79993	21.92
SD106	5/8"	5/8"	94192	39.60

Shape F: Tree - Radius End

Model No.	Head Dia.	Length of Cut	A.C.T. No.	Special Price $
SF101	1/4"	5/8"	117517	13.88
SF103	3/8"	3/4"	79996	19.68
SF105	1/2"	1"	79997	27.59

Shape C: Cylindrical - Radius End

Model No.	Head Dia.	Length of Cut	A.C.T. No.	Special Price $
SC103	3/8"	3/4"	79968	18.58
SC105	1/2"	1"	79969	27.22
SC106	5/8"	1"	83578	39.56

Shape E: Oval

Model No.	Head Dia.	Length of Cut	A.C.T. No.	Special Price $
SE103	3/8"	5/8"	79994	20.13
SE105	1/2"	7/8"	79995	24.78
SE106	5/8"	1"	83579	44.63

Shape L: Taper - 14° Angle

Model No.	Head Dia.	Length of Cut	A.C.T. No.	Special Price $
SL103	3/8"	1.1/16"	79998	25.20
SL104	1/2"	1.1/8"	79999	34.73
SL105	5/8"	1.5/16"	136952	55.79

Carbide Burrs - Extended Shank

CTI rotary burrs are manufactured on C.N.C. robotic fluting machines. Standard cuts, (also referred to as Double Cut and Standard Master Cut), radial rake, and 30° right hand spiral are furnished unless otherwise specified. Carbide burrs are available in a wide variety of head shapes and diameters to meet any filing, deburring, or finishing requirements.

Shape A: Cylindrical - No End Cut

Model No.	Head Dia.	Length of Cut	Shank Dia.	O.A.L.	A.C.T. No.	Price $
SA-43L	1/8"	9/16"	1/8"	3"	79938	8.36
SA-1L	1/4"	5/8"	1/4"	6.3/4"	79940	12.73
SA-3L	3/8"	3/4"	1/4"	6.3/4"	79941	17.98
SA-5L	1/2"	1"	1/4"	7"	79942	28.03

Shape E: Oval

Model No.	Head Dia.	Length of Cut	Shank Dia.	O.A.L.	A.C.T. No.	Special Price $
SE-41L	1/8"	7/32"	1/8"	3"	79951	8.36
SE-1L	1/4"	3/8"	1/4"	6.3/8"	79952	16.50
SE-3L	3/8"	5/8"	1/4"	6.3/4"	79953	20.00
SE-5L	1/2"	7/8"	1/4"	6.7/8"	79954	29.29

Shape H: Flame

Model No.	Head Dia.	Length of Cut	Shank Dia.	O.A.L.	A.C.T. No.	Special Price $
SH-41L*	1/8"	1/4"	1/8"	3"	79964	8.36
SH-2L	5/16"	3/4"	1/4"	6.3/4"	79965	20.57
SH-5L	1/2"	1.1/4"	1/4"	7.1/4"	83041	41.87

*Pointed end

Shape C: Cylindrical - Radius End

Model No.	Head Dia.	Length of Cut	Shank Dia.	O.A.L.	A.C.T. No.	Price $
SC-42L	1/8"	9/16"	1/8"	3"	79943	8.36
SC-1L	1/4"	5/8"	1/4"	6.3/4"	79944	14.07
SC-3L	3/8"	3/4"	1/4"	6.3/4"	79945	18.96
SC-5L	1/2"	1"	1/4"	7"	79946	29.80

Shape F: Tree - Radius End

Model No.	Head Dia.	Length of Cut	Shank Dia.	O.A.L.	A.C.T. No.	Special Price $
SF-42L	1/8"	1/2"	1/8"	3"	131400	8.36
SF-1L	1/4"	5/8"	1/4"	6.3/4"	79955	15.50
SF-3L	3/8"	3/4"	1/4"	6.3/4"	79956	19.60
SF-5L	1/2"	1"	1/4"	7"	79957	28.89

Shape L: Taper - 14° Angle

Model No.	Head Dia.	Length of Cut	Shank Dia.	Incl. Angle	O.A.L.	A.C.T. No.	Price $
SL-42L	1/8"	1/2"	1/8"	14°	3"	79961	8.36
SL-1L	1/4"	5/8"	1/4"	14°	6.3/4"	79962	15.86
SL-3L	3/8"	1.1/16"	1/4"	14°	7.1/16"	79963	24.99
SL-4L	1/2"	1.1/8"	1/4"	14°	7.1/8"	87829	30.59

All burrs are Standard Master Cut unless otherwise requested. Other cuts, shapes and sizes are available upon request.

Shape D: Ball

Model No.	Head Dia.	Length of Cut	Shank Dia.	O.A.L.	A.C.T. No.	Price $
SD-42L	1/8"	1/8"	1/8"	3"	79947	8.36
SD-1L	1/4"	1/4"	1/4"	6.1/2"	79949	13.71
SD-3L	3/8"	3/8"	1/4"	6.1/8"	79950	16.45
SD-5L	1/2"	1/2"	1/4"	6.1/2"	79948	22.16

Shape G: Tree - Pointed End

Model No.	Head Dia.	Length of Cut	Shank Dia.	O.A.L.	A.C.T. No.	Special Price $
SG-43L	1/8"	3/8"	1/8"	3"	105923	8.36
SG-1L	1/4"	5/8"	1/4"	6.3/4"	79958	15.50
SG-3L	3/8"	3/4"	1/4"	6.3/4"	79959	20.85
SG-5L	1/2"	1"	1/4"	7"	79960	28.47

A.C.T. INVENTORY MANAGEMENT SYSTEMS
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Annular Cutters - M42 HSCO

unibor

1" Length of Cut

Diameter (inch)	Applicable Pilot No.	M42 Cutter A.C.T. No.	M42 Cutter Price $
7/16	244668	86279	41.37
1/2	86338	86280	41.37
9/16	86338	86281	45.08
5/8	86338	86282	50.61
11/16	86338	86283	51.71
3/4	86338	86284	55.78
13/16	86338	86285	59.03
7/8	86338	86286	63.53
15/16	86338	86287	69.21
1	86338	86288	73.81
1.1/16	86338	86289	75.72
1.1/8	86338	86290	87.18
1.3/16	86338	86291	91.39
1.1/4	86338	86292	94.56
1.5/16	86338	86293	99.73
1.3/8	86338	86294	127.81
1.7/16	86338	86295	144.56
1.1/2	86338	86296	150.70
1.9/16	86338	86297	169.91
1.5/8	86338	86298	175.81
1.11/16	86338	86299	186.15
1.3/4	86338	86300	197.97
1.13/16	86338	86301	205.36
1.7/8	86338	86302	215.72
1.15/16	86338	86303	230.49
2	86338	86304	235.66
2.1/16	86338	86305	309.28

2" Length of Cut

Diameter (inch)	Applicable Pilot No.	M42 Cutter A.C.T. No.	M42 Cutter Price $
7/16	86341	86306	57.26
1/2	86340	86307	57.26
9/16	86340	86308	63.47
5/8	86340	86309	67.97
11/16	86340	86310	76.60
3/4	86340	86311	82.74
13/16	86340	86312	88.58
7/8	86340	86313	94.56
15/16	86340	86314	102.68
1	86340	86315	110.80
1.1/16	86340	86316	115.09
1.1/8	86340	86317	131.49
1.3/16	86340	86318	135.93
1.1/4	86340	86319	141.83
1.5/16	86340	86320	147.02
1.3/8	86340	86321	156.60
1.7/16	86340	86328	175.81
1.1/2	86340	86323	189.12
1.9/16	86340	86329	211.28
1.5/8	86340	86330	227.52
1.11/16	86340	86331	234.90
1.3/4	86340	86332	234.90
1.13/16	86340	86333	260.03
1.7/8	86340	86334	279.24
1.15/16	86340	86335	294.02
2	86340	86336	308.79
2.1/16	86340	86337	346.70

UNIBOR CUTTERS ARE SUPPLIED WITH PILOT PINS

HIGH SPEED 8% COBALT

Made in ENGLAND

UNIBOR® Premium M42 cutters keep their cutting edge longer than standard M2 HSS – producing more holes between resharpening, reducing the cost per hole and increasing productivity. Due to the cutter design, the load per tooth is greatly reduced and power used by the machine is kept to a minimum, which allows holes to be produced quicker and more efficiently when compared to conventional drills.

UNIBOR® Annular cutters produce a burr-free hole by cutting only the periphery of the hole creating a solid slug which is ejected when the cutter breaks through and the hole is complete. This reduces the problems experienced by the swarf and chips generated by conventional drilling.

Annular Cutter Accessories

unibor

Made in ENGLAND

Pilots

Description	A.C.T. No.	Special Price $
Pilot for 7/16 x 1" Cutters	244668	6.01
Pilot for 7/16 x 2" Cutters	86341	6.21
Standard Pilot for 1" Cutters	86338	6.01
Standard Pilot for 2" Cutters	86340	6.88

Tuff Grade Step Drills

TUFF GRADE

Material: HSS M2 - TiN Coated

Model No.	Size Range	Steps	Increments	A.C.T. No.	Special Price $
TGDB-10231	1/8" - 1/2"	13	1/32"	280031	18.10
TGDB-10232	3/16" - 1/2"	6	1/16"	280446	18.50
TGDB-10233	1/4" - 3/4"	9	1/16"	280032	26.08
TGDB-10234	3/16" - 7/8"	12	1/16"	276178	39.15
TGDB-10235	1/4" - 1-3/8"	10	1/8"	280033	77.18

Annular Cutter Arbors

unibor

With Coolant Ring

Made in ENGLAND

Arbors

Type	Shank	A.C.T. No.	Special Price $
No Coolant	2MTX3/4 Weldon	87133	249.55
No Coolant	3MTX3/4 Weldon	339697	260.91
No Coolant	4MTX3/4 Weldon	339698	273.48
No Coolant	R8X3/4 Weldon	339699	192.58
Coolant Feed	2MTX3/4 Weldon	329232	294.93
Coolant Feed	3MTX3/4 Weldon	210983	306.29

For Our Complete Selection Of Mag Drills See Page 121.

SAVE UP TO 15% WITH BAHCO

GUARANTEED G.T.O. Trial Order

Combo tooth shape. Traditional shape tooth with 0° rake angle. Suitable for multipurpose cutting of thin-walled tubes and profiles in most materials.

Sandflex M42

Manufactured from M42 High Speed Steel for durability and longer tool life.

- For solids, bundles, pipes, profiles and castings
- Multi-purpose tooth shapes for a variety of applications
- General purpose sawing

Combo new tooth geometry with variable teeth 8-10° rake angle makes the 3851 teeth more robust and increases the performance.

Hook. Traditional tooth design with 10° rake angle, used for non-ferrous metals, wood and plastics.

3851-Cobra™

For high productivity cutting of large or small work pieces and contour cutting.

- POWDERED metal M42 high speed steel tooth edge gives a combination of higher hardness and higher toughness.
- M42 tooth tips offer heat and wear resistance for long blade life.
- Specially designed tooth shapes for maximum cutting performance.
- Excellent choice for production cutting of the toughest materials.

POWDERED METAL BAHCO COBRA 3851 BANDSAW BLADE TECHNOLOGY

Combo PF, specifically designed for cutting bundles of tubes and profiles with excellent capacity and tool life. Very strong tooth with 9 degree positive rake angle.

3853-TOP Fabricator

For Tubes Or Profiles.

- New POWDERED metal M42 high speed steel tooth edge gives a combination of higher hardness and higher toughness.
- Patented double set makes the teeth stronger, more resistant to tooth stripping, and longer lasting.
- M42 bi-metal material offers longer blade.

Cuts: • Channel • I Beam • Bundles • H Beam • Angle Iron • Structural Steel • Square and Round Tubes

POWDER METAL TECHNOLOGY BAHCO TOP FABRICATOR 3853 BANDSAW BLADE EXTRA WIDE SET

When You Buy

Qty	SAVE
1-4	5%
5-9	12%
10+	15%

Positive Quad PQ Very aggressive 17° positive tooth design intended to give good penetration on difficult to cut material such as stainless steels, bearing steels, tool steels and special alloys with work hardening properties.

3854-King Cobra™ PQ

For difficult to cut materials multi chip performance.

- M42 tooth material provides long life and good resistance to tooth strippage.
- Will also cut Carbon Steels and Aluminum because of new Tooth Setting Technology.
- Patented set levels produce a multi chip cutting profile which reduces cutting forces and improves blade life.

Cuts: • Inconel • Titanium • Monel • Beryllium Copper • Carbon Steels • Zirconium • Stainless Steels • Bearing Steels • Aluminum

Inquire about our "Tungsten Carbide Grit" Bandsaw Blades

Welded to length from coil stock
1" width x Coarse Gulleted and 1.1/4 x Coarse Gulletted.
Some applications work better with Continuous instead of Gulleted.

Cuts:
- **Fiberglass • Graphite Composites**
- **Honeycomb • Fiber Cement Board**
- **Foamed Glass • Tires • Small hardened steel products**
- **Potash • Mesh • Batteries • And composite deck material**

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Pro Hand Hacksaw

BAHCO® A Snap-on® Brand

- Alternative 55° blade mounting for flush cutting
- Offers a strong steel frame that is covered with a protective dual component plastic
- Comfortable, non-slip back handle and front grip ensures a solid, secure grip
- Tension mechanism is fully integrated into the handles so there is no obstruction during use
- Supplied with reliable and shatterproof 12 inch bi-metal blade, 24 TPI

Model No.	Blade Length	A.C.T. No.	Special Price $
319	12"	258478	42.51

ERGO® Hand Hacksaw

BAHCO® A Snap-on® Brand

- Ergonomically designed with extremely high blade tension for straight, accurate and fast cuts
- Centered blade for correct balance and reduced cutting effort
- Alternative 55° blade mounting for flush cutting
- Supplied with reliable and shatterproof 12 inch bi-metal blade, 24 TPI
- Single touch spring loaded blade release mechanism for fast blade changes.

Model No.	Blade Size	A.C.T. No.	Special Price $
325	12"	173937	72.17

Hacksaw Blades

BAHCO® A Snap-on® Brand

Bi-metal hacksaw blades feature precision ground high-speed steel teeth coupled with a super-efficient, aggressive tooth design.

Model No.	Length	Width	Teeth	A.C.T. No.	Special Price $
860110	12"	1/2	18	172462	2.07
860120	12"	1/2	24	53263	2.06
860130	12"	1/2	32	172468	2.05

Bi-Metal Holesaws

BAHCO® A Snap-on® Brand

Bahco Bimetal Holesaws feature a high speed cutting edge for clean accurate holes in virtually any machinable material.

Holesaw Diameter Inch	Holesaw Diameter mm	A.C.T. No.	Special Price $	Holesaw Diameter Inch	Holesaw Diameter mm	A.C.T. No.	Special Price $	Holesaw Diameter Inch	Holesaw Diameter mm	A.C.T. No.	Special Price $
9/16	14	203779	6.21	1.5/8	41	203791	7.13	3.1/8	79	203806	13.39
5/8	16	203781	6.21	1.11/16	43	191914	7.00	3.1/4	83	203807	13.39
11/16	17	191911	6.21	1.3/4	44	196565	9.03	3.3/8	86	203808	13.39
3/4	19	196560	6.21	1.13/16	46	203792	9.03	3.1/2	89	191916	13.39
13/16	21	203783	6.21	1.7/8	48	169947	9.03	3.5/8	92	203809	15.54
7/8	22	192539	6.40	2	51	192541	9.03	3.3/4	95	198324	17.01
15/16	24	203784	6.40	2.1/16	52	203793	9.03	3.7/8	98	203810	17.99
1	25	169945	6.51	2.1/8	54	169948	10.95	4	102	203756	18.92
1.1/16	27	203398	7.00	2.1/4	57	196566	10.95	4.1/8	105	203757	20.28
1.1/8	29	191913	7.00	2.5/16	59	203795	10.95	4.1/4	108	198325	23.74
1.3/16	30	203785	7.00	2.3/8	60	195402	10.95	4.3/8	111	203767	27.46
1.1/4	32	203786	7.00	2.1/2	64	196567	12.04	4.1/2	114	198326	30.47
1.5/16	33	191912	7.00	2.9/16	65	203796	12.04	4.3/4	121	203774	33.86
1.3/8	35	198446	7.00	2.5/8	67	198323	12.04	5	127	203775	37.28
1.7/16	37	203789	7.46	2.3/4	70	203798	12.04	5.1/2	140	203777	43.75
1.1/2	38	192540	7.00	2.7/8	73	203799	12.04	6	152	203780	50.06
1.9/16	40	203790	7.00	3	76	191915	13.39				

Carbide tipped holesaws also available, please contact nearest branch for details

Accessories

Holesaw Arbor & Pilot Drill

Description	A.C.T. No.	Special Price $
Arbor (3/8 Hex) for holesaw dia. 9/16" - 1.3/16"	169959	9.07
Arbor (3/8 Hex) for holesaw dia. 1.1/4" - 6"	210627	16.52
Pilot Drill 1/4"	210630	3.38

Holesaw Sets

BAHCO® A Snap-on® Brand

Assortments of holesaws and accessories most commonly used by the trades, especially electricians and plumbers. Each packed in a durable plastic carrying case for convenience.

13 Pc. Holesaw Set

Model No.	862013
A.C.T. No.	241343
Special Price $	110.15

Includes:

- Holesaws: 3/4", 7/8", 1 1/8", 1 3/8", 1 1/2", 1 3/4", 2", 2 1/4", 2 1/2"
- Arbors: 3834-ARBR-730 and 3834-ARBR-1152QC
- Fits holesaws 9/16"-1 3/16", 1 1/4"-6"
- Adapter: 3834-ADP

17 Pc. Holesaw Set

Model No.	862017
A.C.T. No.	258476
Special Price $	136.31

Includes:

- Holesaws: 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8", 1 1/2", 1 3/4", 2", 2 1/2", 3"
- Arbors: 3834-ARBR-730 and 3834-ARBR-11152QC
- Fits holesaws 9/16"-13/16", 1 1/4"-6"
- Adapter: 3834-ADP
- Pilot Drill: 3834-DRL-1 (3 pcs)

21 Pc. Holesaw Set

Model No.	862021
A.C.T. No.	258474
Special Price $	263.68

Includes:

- Holesaws: 3/4", 7/8", 1", 1 1/8", 1 3/8", 1 1/2", 1 3/4", 2", 2 1/4", 2 1/2", 3", 3 1/4", 3 5/8", 3 3/4", 4 1/8", 4 3/4"
- Arbors: 3834-ARBR-1130 and 3834-ARBR-11152QC
- Fits holesaws 9/16"-13/16", 1 1/4"-6"
- Pilot Drill: 3834-DRL-1 (3 pcs)

Deburring Tools

SHAVIV

The tool that revolutionized deburring operations!

- Swivel blade follows contour of the part
- Economical: Replace only the blade
- Handles and holders are reused

550-600

Great Value!

550-992

Classic Handle - Tool Sets

Set No.	Set	Handle Style	Includes	A.C.T. No.	Special Price $
550-801	Set B	CLASSIC	1 Handle + 1 B10 and 1 B20 Blade	53626	17.09
550-804	Set E	CLASSIC	1 Handle + 3 E100 Blades	53631	19.52

Mango - Tool Sets

Set No.	Handle Style	Includes	A.C.T. No.	Special Price $
550-600	MANGO II	1 Handle + 1 B10 & 1 B20 Blade with Extension	194971	17.09
550-992	MANGO II	1 Handle + 12 B10 Blades *	239298	13.96
550-996	MANGO II	1 Handle Plus Long Reach Telescoping Blade Holder + 10 B10 Blades	264865	21.72
550-997	MANGO II	1 Handle Plus Long Reach Telescoping Blade Holder + 10 E100 Blades *	264866	25.67
550-601	MANGO II	1 Handle Plus Long Reach Telescoping Blade Holder + 3 E100 Blades	212885	19.52

*Mango II features a smaller handle with classic retractable lock ring * Bonus Pack*

B10 Replacement Blade

Set No.	A.C.T. No.	Special Price $*
550-832	53645	1.17

B20 Replacement Blade

Set No.	A.C.T. No.	Special Price $*
550-838	53646	1.17

B30P TiN Coated Blade

Set No.	A.C.T. No.	Special Price $*
550-845	226815	4.06

B10P TiN Coated Blade

Set No.	A.C.T. No.	Special Price $*
550-633	111181	2.26

B20P TiN Coated Blade

Set No.	A.C.T. No.	Special Price $*
550-634	118218	2.26

E100 Replacement Blade

Set No.	A.C.T. No.	Special Price $*
550-858	53657	1.46

***Deburring Blades - Priced Per Each When Purchasing Package of 10**

Shaviv Golden Set E MI

SHAVIV

Model No.	Handle	Holder	Blades	A.C.T. No.	Special Price $
550807	Aluminum	E	SET "B" Aluminium Shaviv	153140	21.30
550605	Aluminum	B	Mango II SET "M" Shaviv Deburring	224625	24.02

File Handles

BAHCO
A Snap-on® Brand

- Ergonomically shaped bi-molded plastic handle provides soft, textured grip for comfort and control
- The end covers the file tang and shoulder for safe and comfortable grip

For shapes: flat, half round, etc.

Model No.	Handle No.	A.C.T. No.	Special Price $
9-485-09-10	09	174678	7.03
9-485-13-10	13	174679	7.03

For shapes: round, square, etc.

Model No.	Handle No.	A.C.T. No.	Special Price $
9-486-05-10	05	174680	7.03
9-486-08-10	08	302859	6.51

**Manufacturer part number listed*

Hand Files

BAHCO
A Snap-on® Brand

Best file selection is based upon size of the workpiece, the material from which it is made and the desired finish that determine the choice of file.

Length	Flat Smooth Handle No.	Flat Smooth A.C.T. No.	Flat Smooth Special Price $	Length	Half Round Smooth Handle No.	Half Round Smooth A.C.T. No.	Half Round Smooth Special Price $
8"	09	159308	11.68	8"	09	164117	17.32
10"	09	162241	15.07	10"	09	159312	21.33
12"	13	88963	20.11	12"	13	164232	27.67

Length	Round Second Set Handle No.	Round Second Set A.C.T. No.	Round Second Set Special Price $	Length	Lathe Files Handle No.	Lathe Files A.C.T. No.	Lathe Files Special Price $
8"	05	166186	11.23	10"	05	169361	25.10
10"	05	166187	13.09	12"	13	61120	34.86
12"	08	164116	17.45	14"	13	168897	47.35

Other styles and sizes of files available from stock

Diamond Needle File Set

SOWA TOOLING SOLUTIONS

Traditional files will only cut in one direction, while diamond files will cut in any direction.

Model No.	No. of Pieces	A.C.T. No.	Special Price $
200-763	10	160369	13.93

File Card

Model No.	A.C.T. No.	Special Price $
SB727	52643	13.90

Needle File Set

SOWA TOOLING SOLUTIONS

Needle files are used in applications where the surface finish takes priority over metal removal rates but they are most suited for smaller work pieces.

Model No.	No. of Pieces	A.C.T. No.	Special Price $
200-761	10	128347	8.76

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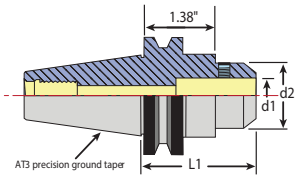
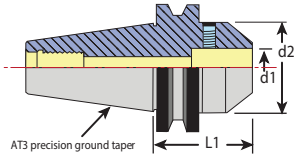
End Mill Holders

- H5 tolerance saves cutting tool life
- Double your tool life or better with our high-precision end mill holders
- Each tool holder is lab certified for H5 bore tolerance and taper accuracy AT3
- Balanced to 10,000 RPM which reduces vibration, improves tool life, and minimizes spindle bearing wear
- Taper ground to AT3 for maximum spindle contact



Standard Length

Taper	d1	L1	d2	A.C.T. No.	Special Price $
CAT40	1/4″	2.50″	.78″	256348	95.68
CAT40	3/8″	2.50″	1.00″	256349	108.31
CAT40	1/2″	2.50″	1.25″	256350	95.68
CAT40	5/8″	3.00″	1.50″	255533	95.68
CAT40	3/4″	3.50″	1.75″	254043	95.68
CAT40	1.00″	4.00″	2.00″	255534	108.31
CAT40	1.25″	4.00″	2.05″	256351	118.24
CAT50	1/2″	4.00″	1.25″	255544	146.22
CAT50	5/8″	4.00″	1.50″	255545	146.22
CAT50	3/4″	4.00″	1.75″	255546	146.22
CAT50	1.00″	4.00″	2.00″	255547	146.22
CAT50	1.25″	4.60″	2.50″	255548	149.83

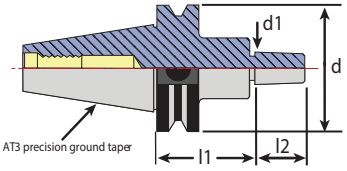


Stubby Length

Taper	d1	L1	d2	A.C.T. No.	Special Price $
CAT40	5/8″	1.75″	1.50″	255827	95.68
CAT40	3/4″	1.75″	1.75″	254822	108.31
CAT50	5/8″	1.44″	1.50″	255841	146.22

Drill Chuck Adapter

- Better T.I.R. and rigidity than standard drill chucks
- Taper ground to AT3 accuracy



Taper	l1	l2	d	d1	JT	A.C.T. No.	Special Price $
CAT40	1.57"	1.2"	2.5"	.811"	3	255854	99.29
CAT40	1.57"	.945"	2.5"	.676"	6	255855	99.29
CAT50	1.57"	1.2"	3.875"	0.81"	3	255857	144.42

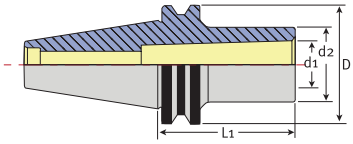
Shell Mill Holders

- Compatible with all coolant thru face mills
- H6 arbor tolerance for less chatter and better tool life
- Each arbor lab certified for accuracy
- Taper ground to AT3 tolerance or better

Taper	l1	l2	d1	d2	d3	K2	A.C.T. No.	Special Price $
CAT40	1.37″	.69″	3/4″	.88″	1.69″	.31″	255516	129.98
CAT40	4.00″	.69″	3/4″	.88″	1.69″	.31″	256352	174.20
CAT40	2.06″	.69″	1.00″	1.19″	2.20″	.38″	255517	129.98
CAT40	4.00″	.69″	1.00″	1.19″	2.20″	.38″	256353	174.20
CAT40	2.21″	.94″	1.50″	1.88″	3.80″	.63″	255902	152.54
CAT50	3.50″	.69″	3/4″	.88″	1.69″	.31″	256354	201.28
CAT50	2.00″	.69″	1.00″	1.19″	2.20″	.38″	255525	161.57
CAT50	4.00″	.69″	1.00″	1.19″	2.20″	.38″	256188	218.43
CAT50	2.40″	.94″	1.50″	1.88″	3.80″	.63″	255904	184.13

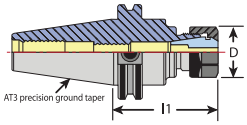
Morse Taper Holders

- Taper ground to AT3 accuracy or better
- .0002″ runout from taper to tool pocket
- Each holder lab certified



Taper	Size	L1	d1	d2	D	A.C.T. No	Special Price $
CAT40	MT2	2.000″	.700″	1.260″	2.500″	255871	112.83
CAT40	MT3	2.750″	.937″	1.575″	2.500″	255872	121.85
CAT40	MT4	3.750″	1.231″	1.889″	2.500″	255873	128.17
CAT50	MT3	2.560″	.937″	1.575″	3.875″	255875	166.08
CAT50	MT4	3.750″	1.231″	1.889″	3.875″	255876	169.69

ER Collet Chucks



Taper	Description	l1	D	Max. Shank	A.C.T. No.	Special Price $
CAT40	ER16 hex nut	2.760″	1.080″	.406″	255508	146.82
CAT40	ER16 hex nut	6.000″	1.080″	.406″	256355	164.47
CAT40	ER25 slotted nut	2.500″	1.650″	.630″	256356	146.82
CAT40	ER25 slotted nut	6.000″	1.650″	.630″	256357	164.47
CAT40	ER32 slotted nut	2.760″	1.970″	.788″	255511	158.06
CAT40	ER32 slotted nut	6.000″	1.970″	.788″	256358	178.11
CAT40	ER40 slotted nut	3.150″	2.480″	1.023″	314944	205.39
CAT40	ER11 mini nut	4.000″	.630″	.275″	256359	167.68
CAT40	ER16 mini nut	4.000″	.870″	.406″	256360	171.69
CAT50	ER25 slotted nut	4.000″	1.650″	.630″	255514	174.10
CAT50	ER32 slotted nut	4.000″	1.970″	.788″	255515	174.10
CAT50	ER40 slotted nut	4.000″	2.480″	1.023″	255894	183.73

**Manufacturer part number listed*

ER Collets - Individuals

Top Quality & Performance

- Strict quality controls at factory
- Each collet is hand inspected
- T.I.R. 0.0002" or better
- Ultra-precision collets available (T.I.R. 0.0001")
- Power coat nut provides best rigidity and cutting tool life

IN STOCK!

Size	Range	Shank	A.C.T. No.	Special Price $
ER16	.043" - .062"	1/16"	255402	17.27
ER16	.054" - .093"	3/32"	255405	13.06
ER16	.086" - .125"	1/8"	255228	16.17
ER16	.148" - .187"	3/16"	255229	16.17
ER16	.211" - 250"	1/4"	255230	16.17
ER16	.273" - 312"	5/16"	255406	16.17
ER16	.304" - .343"	11/32"	255403	16.17
ER16	.336" - .375"	3/8"	255231	16.17
ER25	.086" - .125"	1/8"	255461	18.26
ER25	.148" - .187"	3/16"	255467	18.26
ER25	.211" - .250"	1/4"	255458	18.26
ER25	.273" - .312"	5/16"	255471	18.26
ER25	.336" - .375"	3/8"	255470	18.26
ER25	.398" - .437"	7/16"	255474	18.26
ER25	.461" - .500"	1/2"	255457	18.26
ER25	.523" - .562"	9/16"	255476	18.26
ER25	.586" - .625"	5/8"	255473	18.26
ER32	.086" - .125"	1/8"	255483	18.26
ER32	.148" - .187"	3/16"	255492	18.26
ER32	.211" - .250"	1/4"	255482	18.26
ER32	.273" - .312"	5/16"	255496	18.26
ER32	.336" - .375"	3/8"	255495	18.26
ER32	.398" - .437"	7/16"	255499	18.26
ER32	.461" - .500"	1/2"	255481	18.26
ER32	.586" - .625"	5/8"	255498	18.26
ER32	.648" - .687"	11/16"	255484	18.26
ER32	.711" - .750"	3/4"	255494	18.26

ER40 Available

ER Collet Sets

IN STOCK!

Description	Pieces	Sizes Included	A.C.T. No.	Special Price $
ER16 3/32-3/8" by 32nds	10	3/32" - 3/8"	255387	154.37
ER25 5/32-5/8" by 32nds	16	5/32" - 5/8"	255397	271.70
ER32 7/32-3/4 by 32nds	18	7/32" - 3/4"	255398	305.60

CAT40 Tooling Package

End Mill Holders:

- Manufactured to H5 tolerance
- Balanced to 15,000 RPM
- Lab tested and lab certified

ER Collet Chucks:

- Balanced to 25,000 RPM
- Collet precision: .0002"
- Power Coat Nut holds up to 75% tighter

CAT40 43pc Tooling Package TP-C40

A.C.T. No.: 256467 IN STOCK!

Qty	Description
4	CAT 40 X ER 32 - 2.76
2	CAT 40 X ER 16 - 2.76
1	ER 32 X 18 piece collet (SET) - inch
1	ER 16 X 10 piece collet (SET) - inch
1	CAT 40 X SLN 1/4" - 3"
1	CAT 40 X SLN 3/8" - 3"
1	CAT 40 X SLN 1/2" - 3"
1	CAT 40 X SLN 5/8" - 3"
1	CAT 40 X SLN 3/4" - 3.5"
1	CAT 40 X SLN 1" - 4"
1	CAT 40 X SPU 1/2" - 4"
1	ER 32 - 'E' WRENCH
1	ER 16 - 'A' WRENCH

Hot Price! $1,898.13

CAT50 45pc Tooling Package TP-C50

A.C.T. No.: 262926 IN STOCK!

Qty	Description
5	CAT 50 x ER 20 - 4
5	CAT 50 x ER 32 - 4
1	ER 32 x 18 piece collet set - in.
1	ER 20 x 12 piece collet set - in.
2	CAT 50 x SLN 1- 4
1	CAT 50 x SLN 1-1/4 - 4.6
1	ER 20 - A wrench
1	ER 32 - E wrench

Hot Price! $2,621.10

MTP-C40 Tooling Package

A.C.T. No.: 281394 IN STOCK!

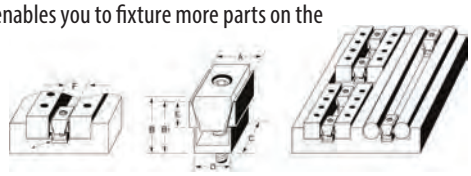
Qty	Description
3	CAT 40 X ER 16-2.76
3	CAT 40 X ER 32-2.76
1	CAT 40 x SLN 1/4" - 1.75"
1	CAT 40 x SLN 3/8" - 1.75"
1	CAT 40 x SLN 1/2" - 1.75"
1	CAT 40 x SLN 3/4" - 1.75"

Hot Price! $1,106.57

Online
www.ACTEquipment.com
Surrey
Phone: (604) 294-6271
Toll Free: 1 (800) 667-1504
Edmonton
Phone: (780) 462-1777
Toll Free: 1 (800) 661-5979

Uniforce Clamps

The Mitee-Bite Uniforce Clamp, a compact, economical workholding device enables you to fixture more parts on the machine table. This simple efficient wedge design provides equilateral clamping force on both sides of the aluminum channel to hold two parts with one clamping action.

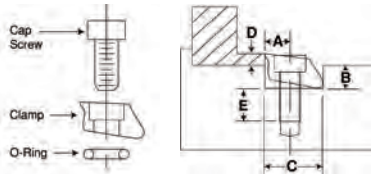


Model No.	Part No.	Model Style	A	B	B1	C	D*	E	F*	Thread Size	Max. Spread	Max. Torque	Holding Force	Clamps per Pack	Key Size	A.C.T. No.	Special Price $
604-040	60750	750	.735″	.77″	.750″	.940″	.635″	.375″	.750″	1/4-20	.785″	10.8 ft.lbs	1,500 lbs	6	3/16	233820	125.34

D* - *A milled slot wider than D dimension will insure the clamp remains in line with workpiece. Clamp sides should not come in contact with slot walls during expansion.*
F* - *The distance needed between workpieces for clamp clearance. Drill and tap mounting hole on the center of F dimension.*
***Metric** also available, call for more information*

Pitbull Clamps

- The Revolutionary Pitbull® Clamp remains the lowest, highest holding force clamp in the industry today.
- High vertical and horizontal clamping forces are generated, considering the size Pitbull®Clamps.
- It uses a standard cap screw and an oil resistant O-ring.
- The Pitbull® Clamp is available in 5 sizes and several styles, a tool steel knife edge for aggressive stock removal, a tool steel blunt edge for general purpose and a brass version to help prevent marring the workpiece.



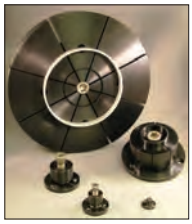
Model No.	Part No.	Description	A	B	C	D	E	Screw Size	Max. Torque	Holding Force	Total Throw	Clamps per Pack	A.C.T. No.	Special Price $
604-084	26040	Brass, Blunt Edge	.200″	.187″	.500″	.100″	.340″	8-32	2.00 ft.lbs	400 lbs	.0160	8	604-084*	155.41
604-085	26050	Tool Steel, Knife Edge	.300″	.280″	.750″	.150″	.570″	1/4-20	14.50 ft.lbs	3,600 lbs	.0240	6	231085	155.41

***Metric** also available, call for more information *Manufacturer part number listed*

ID Xpansion Clamps

The ID Xpansion™ Clamp is the ideal way to hold multiple parts on an inside diameter for machining on your VMC or HMC. These machinable clamps are produced in 12 sizes and can hold internal diameters from .160 to 9.85.

- Low Profile • Ideal for Secondary Operations on Lathe Parts
- Easily Machined to Size on Lathe or Mill • Excellent for Palletized Setups
- Allows More Parts Per Workcube or Fixture Plates
- Clamp Body Made of Mild Steel for Machinability
- Tighten with Hex Key or Hydraulic Pull Cylinders
- Longer screws are available for hydraulic applications (pull cylinders)



Model No.	Part No.	Model Style	A	B	C	D	E (+.000/-.002)	F	G*	H*	I	J	Max. Torque	Holding Force	A.C.T. No.	Special Price $
604-127	31200	#3	1.13″	.88″	.69″	.25″	1.969″	1.06″	.71″	8-32 on 1.550 BHC	3/8-16	.71″	49.3 ft.lbs	4,500 lbs	273500	99.65
604-131	31400	#7	1.79″	1.48″	1.27″	.31″	4.232″	3.06″	1.15″	1/4-20 on 3.646 BHC	5/8-11	.79″	224.0 ft.lbs	10,000 lbs	225176	274.85

G* - *Minimum diameter the "F" dimension can be machined or turned down* ***H**** - *(3) Mounting screws included* ***Metric** also available, call for more information*

Fixture Clamps

The Cam Action MITEE-BITE Fixture Clamp is made up of two simple components: a hardened steel socket cap screw with an offset head and a hexagonal washer.

- Low profile makes computer programming easier • Cam action provides fast, strong clamping
- Small size allows more parts per load • Simple design keeps cost low.

NOTE: Clockwise rotation is recommended. Workpiece stop should be on the right of clamp.

Model No.	Part No.	A	B	C	D	E	F	G*	Torque	Holding Force	Clamps per Pack	A.C.T. No.	Special Price $
604-010	50208	M8	5 mm	1.01 mm	20.61 mm	4.75 mm	15.0 mm	10.15 mm	11.3 N.m.	3,558 N	12	294461	131.13

G* - *Location to drill and tap from edge of workpiece.*

Drill Sleeves - Morse Taper

Jacobs® CHUCK

Archer Series 600 drill sleeves adapt smaller Morse taper shank tools for use on larger spindle machines. They are oil toughened and externally precision ground with a hardened tang.

Internal Taper	External Taper	A.C.T. No.	Special Price $
MT1	MT2	93822	23.08
MT1	MT3	111728	28.75
MT2	MT3	93820	30.03
MT2	MT4	99412	42.40
MT2	MT5	98314	81.84
MT3	MT4	93821	42.32
MT3	MT5	98313	78.33
MT4	MT5	98312	87.05
MT4	MT6	96891	201.45
MT5	MT6	96892	204.98

Extension Sockets - Morse Taper

Jacobs® CHUCK

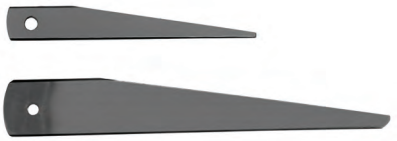
Archer Series 800 extension sockets extend tool lengths and application distances while adapting for increases or decreases in applied tool Morse taper sizes. They are externally precision ground with a hardened tang.

Internal Taper	External Taper	O.A.L.	A.C.T. No.	Special Price $
MT2	MT2	6.89″	129903	79.73
MT2	MT3	7.64″	123019	79.73
MT3	MT2	7.72″	113957	96.68
MT3	MT3	8.46″	134803	101.63
MT3	MT4	9.45″	111721	102.00
MT4	MT3	9.45″	96000	157.38
MT4	MT4	10.43″	134794	162.63
MT4	MT5	11.81″	111164	162.24
MT5	MT4	11.81″	120096	291.56

Drill Drifts

Jacobs® CHUCK

Jacobs drill ejecting drifts are hardened and tempered and are used for ejection of Morse taper sizes 0 through 6 from sleeves, sockets and machine spindles.



For Ejection Of	A.C.T. No.	Special Price $
MT 1&2	88826	18.23
MT 3&4	87507	22.49
MT 4&5	102582	33.13
MT 6	133640	66.83

Wedge Set

Jacobs® CHUCK

For Removing Taper Mount Chucks.

2 Per Set.

Model No.	Description	A.C.T. No.	Special Price $
13266	Wedge Set used on 1JT	46841	25.11
13267	Wedge Set used on 2JT	46842	25.11
13268	Wedge Set used on 3JT	46843	25.11
13269	Wedge Set used on 6JT	46844	25.11

MT Drill Chuck Arbors

Jacobs® CHUCK

Precision CNC machined and ground to ensure high accuracy and close-tolerance fit with Jacobs® drill and tap chucks. Adapt Jacobs® taper to Morse tapers, straight shanks, threaded shanks and Bridgeport® tapers. Ideal for use with custom tool and workholder designs as well as for specialized machining applications.

Morse Taper

Shank	Chuck Mount	A.C.T. No.	Special Price $	Shank	Chuck Mount	A.C.T. No.	Special Price $
MT 1	JT2	34993	42.76	MT 3	JT4	46736	51.24
MT 2	JT1	34999	40.72	MT 3	JT5	35010	61.20
MT 2	JT2	35000	32.96	MT 3	JT6	35011	46.06
MT 2	JT3	35001	32.33	MT 3	JT33	35012	44.63
MT 2	JT4	35002	41.64	MT 4	JT2	35013	80.81
MT 2	JT6	35004	44.29	MT 4	JT3	35014	68.80
MT 2	JT33	35005	32.96	MT 4	JT4	35015	71.01
MT 2	1/2-20	46839	119.54	MT 4	JT5	35016	99.32
MT 2	3/8-24	46838	119.54	MT 4	JT6	35017	72.28
MT 2	5/8-16	46840	119.92	MT 5	JT3	35020	147.51
MT 3	JT2	35007	46.06	MT 5	JT4	35021	145.87
MT 3	JT3	35008	43.74	MT 5	JT5	35022	144.03

Straight Shank

Shank	Chuck Mount	A.C.T. No.	Special Price $	Shank	Chuck Mount	A.C.T. No.	Special Price $
1/2″	JT0	46807	33.56	3/4″	JT6	46823	61.43
1/2″	JT1	46808	33.67	3/4″	JT33	46824	62.21
1/2″	JT2	46809	33.67	5/8″	JT2	46815	41.43
1/2″	JT3	46810	33.67	5/8″	JT3	46816	57.23
1/2″	JT6	46812	43.63	5/8″	JT6	46818	44.63
1/2″	JT33	46813	33.67	5/8″	JT33	46819	38.09
3/4″	JT2	46820	57.23	1″	JT3	46826	62.28
3/4″	JT3	46821	52.29	1″	JT6	46828	71.27

R8

Shank	Taper	A.C.T. No.	Special Price $
R8	JT2	35024	177.67
R8	JT3	35025	177.67
R8	JT4	35026	177.67
R8	JT6	35027	177.67
R8	JT33	35028	177.67

Wespro Keyless Chucks

SAVE 15%

Keyless chuck designs offer the convenience of quicker and easier locking and unlocking.
Manufactured in high precision processing and higher accuracy.
Compact and lightweight design.

- 1/64" - 1/2" Capacity XT
- 3/8-24 Threaded Mount

Model No.	Capacity	Mount	A.C.T. No.	Special Price $
24534	1/64 (0.40) to 3/8 (10)	3/8-24	180527	17.98
21431	5/64 (01.98) to 1/2 (13)	3/8-24	187064	19.51

Heavy-Duty Plain Bearing Chucks

The Jacobs® Plain Bearing Chuck is the world's most widely used chuck for medium or heavy duty portable, bench, or floor mounted power tools. Features heavy and medium duty models for threaded or taper mounting.

Taper Mount

Model No.	Capacity	Mount	Key	A.C.T. No.	Special Price $
34-02	1/32"-1/2"	2JT	K3	34954	155.00
34-06	1/32"-1/2"	6JT	K3	34958	205.83
34-33	1/32"-1/2"	33JT	K3	34955	175.22
36	5/32"-13/16"	3JT	K4	34968	311.48
3A	1/8"-5/8"	3JT	K3	34964	246.81

SALE PRICE!

Medium-Duty Plain Bearing Chucks

- 1/32" - 1/2" Capacity
- Threaded Mount Medium Duty

Thread Mount

Model No.	Capacity	Mount	Key	A.C.T. No.	Special Price $
41BA 3/8	1/32"-3/8"	3/8"-24	K30	96330	62.45
33BA 3/8	5/64"-1/2"	3/8"-24	K32	34951	159.68
33BA 1/2	5/64"-1/2"	1/2"-20	K32	34953	153.03
33BA 5/8	5/64"-1/2"	5/8"-16	K32	34973	159.49

SALE PRICE!

Heavy-Duty Plain Bearing Chucks

- Designed for heavy duty industrial use
- Used on drill presses, lathes, milling machines and for woodwork

Thread Mount

Model No.	Capacity	Mount	Key	A.C.T. No.	Special Price $
10005	0-1/4"	3/8"-24	T2	91354	24.40
10014	0-3/8"	3/8"-24	T3	72597	27.80
10015	0-3/8"	1/2"-20	T3	91389	29.67
10042	0-1/2"	3/8"-24	T5	91387	27.80
10043	0-1/2"	1/2"-20	T5	91388	30.60

SAVE 15%

Precision Ball Bearing Chucks

Ball bearing construction maximizes gripping force and drilling accuracy. Jaws center-ground for absolute straightness and alignment. Jaws specially treated to ensure extended thread life and high gripping surface hardness.

Taper Mount

Model No.	Capacity	Mount	Key	A.C.T. No.	Special Price $
8-1/2N	1/32"-1/4"	2JT	K30	34910	223.42
11N	1/32"-3/8"	2JT	K32	34911	248.97
14N	1/32"-1/2"	3JT	K3	34912	285.00
16N	1/8"-5/8"	3JT	K4	34914	341.00
18N	1/8"-3/4"	4JT	K4	34915	513.00
20N	3/8"-1"	5JT	K5	34916	809.12

SALE PRICE!

Precision Ball Bearing Chucks

All parts in these chucks are heat-treated which allows heavy duty drilling and long lasting precision. Increased clamping power for high speed use is achieved with Ball Thrust Bearings.

Taper Mount

Model No.	Capacity	Mount	Key	A.C.T. No.	Special Price $
12003	1/32"-5/8"	3JT	P7	91377	156.80

SAVE 20%

Super Precision Keyless Drill Chucks

For use on CNC machining centers where applications require precise accuracy and maximum gripping force. When tightened with the supplied spanner, gripping torque is increased up to 2 times higher than with hand tightening.

Taper Mount

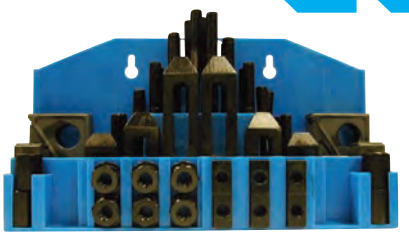
Model No.	Capacity	Mount	A.C.T. No.	Special Price $
11025	0-1/2"	J6	82888	119.20
11026	0-1/2"	J33	93842	119.20
11028	1/8"-5/8"	J6	82889	192.40

SAVE 20%

Clamping Kit

Includes

- 6 T-slot nuts
- 6 Flange nuts
- 4 Coupling nuts
- 1/2-13 x 5/8" Table slot
- 6 Step blocks
- 6 Serrated end clamps
- 1 Plastic holder
- 24 Studs, 4 each of 3", 4", 5", 6", 7", 8" long



Model No.	T-Slot Size (inch)	A.C.T. No.	Special Price $
20402PL	1/2-13 x 5/8	335073	167.00

52pc Machinist Clamping Kits

Includes

- 24 Studs 4 each 3, 4, 5, 6, 7, 8" lengths
- 6 T-slot nuts
- 6 Flange nuts
- 4 Coupling nuts
- 6 Step blocks
- 6 Serrated end clamps
- 1 T-slot cleaner
- 1 Metal holder

Model No.	Table Slot (Inch)	Step Block Size	Stud Thread Size	A.C.T. No.	Special Price $
333-550	5/8	1"	1/2 - 13	60381	134.85

Arbor Presses

Arbor Presses

Capacity Tons	Throat Depth (inch)	Height of Press (inch)	Base Dimensions (inch)	Largest Arbor (inch)	Size (inch)	Length (inch)	Stroke (inch)	A.C.T. No.	Special Price $
1/2	2.7/8	10	4 x 9.1/2	1.1/8	3/4 x 3/4	7.1/2	4.1/2	113827	130.75
1	3.1/4	12	5 x 11	1.3/8	1 x 1	9.1/2	5.1/4	120943	188.25
2	5	17	6.3/4 x 17	1.3/4	1.1/4 x 1.1/4	14	8.1/2	92826	428.92
3	5.3/4	21.1/2	8 x 18	2.1/2	1.1/2 x 1.1/2	18	12.1/2	82943	679.20
5	8.3/4	35.3/4	10 x 26.3/4	3.1/4	2 x 2	26.3/4	18.1/8	84452	2175.50

Ratchet Type Arbor Presses

Capacity Tons	Throat Depth (inch)	Height of Press (inch)	Base Dimensions (inch)	Largest Arbor (inch)	Size (inch)	Length (inch)	Stroke (inch)	A.C.T. No.	Special Price $
3	5.3/4	21.1/2	8 x 18	2.1/2	1.1/2 x 1.1/2	18	12.1/2	114283	789.87

Boring Head

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

Model No.	Head Dia.	Hole Size	Offset	A.C.T. No.	Special Price $
356001	2"	1/2"	1/2"	60469	152.24
356002	3"	3/4"	3/4"	64649	219.44
356003	4"	1"	1"	68402	373.94

Right Angle Head VRA-Type

- Used on Vertical Milling Machine to make horizontal cutting work
- Rigidity constructed suitable for heavy-duty cutting
- The clamping bushing to suit milling machine

Model No.	Suitable Milling Head Quill Dia.	Weight	Type	A.C.T. No.	Special Price $
326-204	110.105-110.115mm	20 kg	VRA-NT 40	196804	2734.87

Shanks for Boring Heads

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

Model No.	Size	Thread	A.C.T. No.	Special Price $
356-010	R8	1-1/2 - 18TPI	80291	96.99
356-012	ISA40	1-1/2 - 18TPI	70993	118.56
356-014	MT3	1-1/2 - 18TPI	60470	96.99
356-016	ISA30	1-1/2 - 18TPI	80411	49.04
356-018	3/4" S.S.	1-1/2 - 18TPI	94143	75.51
356-020	MT4	1-1/2 - 18TPI	68403	107.77
356-025	1" S.S.	1-1/2 - 18TPI	89813	75.51

356-010 to 356-025

Milling Vise

NEW & IMPROVED!

GS TOOLING

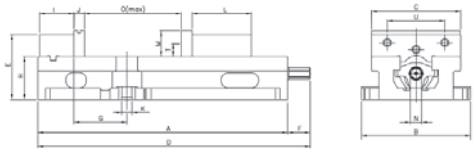
The GS-ADX-160G has been redesigned with new state-of-the-art workholding features.

- **Narrower body style to allow more vises on a machine table**
- **The bearing pack has been relocated to help reduce oil / water / chip leakage into the vise body, thus improving the life time**
- **The thrust bearings have been replaced with ball bearings to make the pack stronger and more stable**
- Spherical segment creates all-directional alignment and reduces jaw lift for improved performance
- Spindle does not protrude past the end of the body
- Brush seal design
- Perpendicularity (running face and jaw plate): 0.0004″
- Parallelism (running face to bottom of bed): 0.0006″
- Material: FCD-60 (80,000psi)
- Stationary jaw: 4 bolt stationary design reduces lift
- Pull-type design: Reduces stress on body during clamping
- Chip evacuation: Straight through the body on sides and ends. Locations strategically chosen to not reduce body strength

Special Price

$637.00 Each

While Qauntities Last



GS-ADX-160G 9" Precision Milling Machine Vise Dimensions

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T	U	Weight
427	186	151	466	111.025	39	90.53	73.025	58.7	18.42	17.46	101.6	44.5	19	231	23.8	98.4	31kg

Model No.	Jaw Width	Jaw Height	Opening	O.A.L.	Weight	A.C.T. No.
327-320	6"	2.875"	9.13"	18.35″	68 lbs	337786

Milling Vise

GS TOOLING

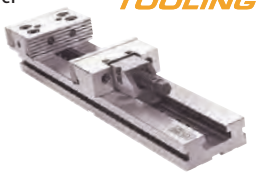
- An integral key and large fasteners reduce deflection by 50%
- Vises are matched
- Chip-cover protects leadscrew from damage
- 4 jaw plate positions allow extra capacity with the jaw plates in the outside position

Model No.	Jaw Width	Jaw Height	Opening	A.C.T. No.	Special Price $
GS 810	8″	2.25″	10″	229274	2037.78

Modular Vise

GS TOOLING

- Vises are matched
- Unlimited clamping range
- High clamping pressure
- No length or height restrictions
- No jaw lift, Low profile
- High quality alloy steel
- High accuracy



Model No.	Jaw Width	Jaw Height	Opening	A.C.T. No.	Special Price $
382-015	6"	2"	8"	201319	1226.73

Drill Press Vises

STM

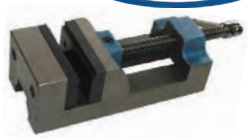
Made from high tensile iron castings, these vises feature a cold rolled screw thread, special steel plain jaws and four bolt lugs for rigid mounting to the machine table.

Jaw Width	Jaw Height	Opening	A.C.T. No.	Special Price $
3"	1.1/8"	3"	129687	66.37
4"	1.3/8"	4"	129688	86.45
5"	1.1/2"	5"	129804	152.40
6"	1.1/2"	6"	116640	177.27

Drill Press Vise - P250, P350 & P400

STM

Made from high tensile iron castings.All Four sides and one end have been machined machined for accuracy.



Jaw Width	Jaw Height	Opening	O.A.L.	A.C.T. No.	Special Price $
2.1/2"	1.1/2"	2.9/16"	7.1/2"	143972	88.08
3"	1.3/4"	3"	9.1/4"	117773	102.29
4"	1.3/4"	4"	10.3/4"	98490	159.59

Series P250: • High tension iron casting • Cold rolled screw thread • Plain jaws of special steel
Series P350 & P400: • Precision cut Acme thread screw • Hexagonal screw head for tight clamping

Mechanics Bench Vises

Record

Record vises are among the most popular and widely used general-purpose vises for light to medium duty applications. Made of high quality grey cast iron, they are machined to very close tolerances and are designed to withstand distortion under pressure. Jaw plates are made from hardened steel, while the mainscrew is made from high quality steel. They are available with or without a swivel base.

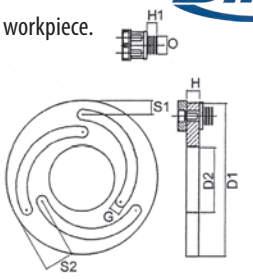
Bench Vises

Model No.	Jaw Width	Jaw Opening	Jaw Depth	A.C.T. No.	Special Price $
1B	3"	3.3/4"	1.7/8"	52975	92.50
3B	4"	4.3/4"	2.3/4"	60475	146.95
4B	4.1/2"	5.1/2"	3"	52976	236.90
5B	5"	6.1/2"	3.1/4"	65601	253.85
6B	6"	8"	3.1/2"	60027	310.00
8B	8"	9.1/4"	4"	100355	372.85

Soft Jaw Forming Ring

- The forming ring is used for cutting soft jaws by clamping and extending the thru hole to increase the accuracy of clamping the workpiece.

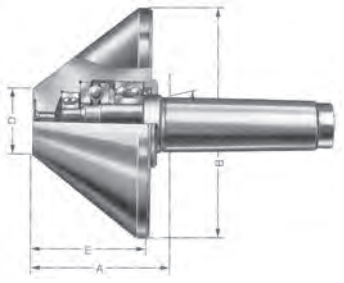
The size can be adjusted against the helical slot.
Pin can be rotated 180° to extend the clamping range.
No need to drill new hole. The hole on the soft jaw can be used directly for pin.
Hardened and ground steel for durability



326-255

Model No.	Chuck Dia.	H (mm)	D1 (mm)	D2 (mm)	S1 (mm)	S2 (mm)	G (mm)	H1 (mm)	0 (mm)	Weight (kg.)	A.C.T NO.	Special Price $
326-255	6"	12	168	80	12	32	10	9	16.5	1.5	289347	544.57

Bull Nose Live Centers



60° Bull Nose Live Centers

Morse Taper	A (mm)	B (mm)	D (mm)	E (mm)	Weight Cap. (approx. kg)	Model No.	A.C.T. No.	Special Price $
1	64	50	20	52	100	301615	209506	427.90
2	65	50	20	52	200	301616	209508	664.18
2	77	80	30	64	300	301556	209509	730.60
3	77	80	30	64	400	301557	209510	762.73
4	78.5	80	30	64	400	301558	203510	803.45
3	96.5	120	30	83	600	221605	209511	955.56
4	98	120	30	83	800	044023	205508	1004.84
5	99	120	30	83	800	090483	209512	1204.10

75° Bull Nose Live Centers

Morse Taper	A (mm)	B (mm)	D (mm)	E (mm)	Weight Cap. (approx. kg)	Model No.	A.C.T. No.	Special Price $
2	80	80	20	67	300	301559	209513	730.60
4	81.5	80	20	67	400	301561	209516	803.45
3	85.5	123	30	72	600	062211	209517	955.56
4	87	123	30	72	800	062224	209518	1004.84
5	88	123	30	72	800	062232	203509	1204.10
4	107	170	50	90	1200	062299	209519	2011.81
5	106	170	50	90	1600	063614	203508	2410.33
6	107.5	170	50	90	1600	063633	209521	2410.33
5	146.5	250	75	130	2000	063662	209523	4809.93
6	148	250	75	130	2000	063656	203511	4809.93
6	184	350	120	168	4000	063680	209524	9651.98

Heavy-Duty Bull Nose (Pipe) Live Centers

Skoda bull nose centres are designed to hold pipe and hollow work. Pipe head can be used as an all-around centre for light work. Two matched angular contact bearings are preloaded at the factory. Bearings are protected by a combination steel shield and neoprene seal. Each centre is accurate within ± 0.0001".

MT	Center Point Angle	Point Maj. Dia.	Point Min. Dia.	Body Len.	O.A.L.	Weight Cap. approx. kg	A.C.T. No.	Special Price $
3	60°	3.150"	1.378"	3.819"	6.380"	880 lbs	112612	1043.42
4	60°	4.527"	1.732"	3.622"	7.637"	2860 lbs	94697	1680.66
5	60°	5.314"	1.811"	4.331"	9.449"	4400 lbs	102551	2378.66
6	60°	6.693"	2.520"	4.961"	12.125"	8800 lbs	154641	5694.44

Chuck Stops for Three-Jaw Chucks

Royal chuck stops provide a simple, consistent method for locating short parts in a 3-jaw lathe chuck. Its captive, web shaped design eliminates the danger of using parallels or spacers that could become loose and be thrown from a spinning chuck. Three strong magnets further secure the stop to the chuck face. Stops allow short parts to project past the chuck jaws, providing clearance for facing operations. Setup time is greatly reduced. Slot width can easily be enlarged to accommodate wider jaws. Accuracy ± 0.0004".

Description	Model No.	A.C.T. No.	Special Price $
Standard Set - Inlcudes 15, 20 & 25mm stops	355985	205700	436.80
Deluxe Set - Inlcudes 15, 20, 25, 30 & 35mm stops	355986	210305	759.57

Dead Lathe Centers - Carbide Tipped

Dead centres feature a Morse taper shank, and a 60° included point angle. The are precision made, hardened and ground to the closest tolerances.

Morse Taper	Center Point Angle	O.A.L.	A.C.T. No.	Special Price $
1	60°	3.3/16"	105982	102.45
2	60°	3.15/16"	97959	98.13
3	60°	4.15/16"	66299	154.17
4	60°	6.5/16"	83320	220.51
5	60°	7.7/8"	66357	295.84
6	60°	11"	189782	517.19

Precision Heavy-Duty Live Centers

Precision Heavy-Duty Live Centers

- Rotating spindle is extended right through the tapered shank
- Two specially designed adjustable needle-roller bearings carry all radial loads
- A heavy duty ball thrust bearing takes all axial thrust
- Complete protection of bearings form the ingress of coolant, dirt or swarf is provided by the built-in oil-seal, also preventing loss of lubricant
- ***MADE IN CZECH REPUBLIC***

Morse Taper	Point Angle	Body Dia. (inch)	O.A.L. (inch)	Weight Capacity	Max RPM	A.C.T. No.	Special Price $
1	60°	.625	4.375	200 lbs	6,000	70840	211.43
2	60°	.875	5.000	600 lbs	6,000	200384	264.50
3	60°	1.125	6.250	900 lbs	5,000	66279	315.12
4	60°	1.500	7.500	1800 lbs	4,000	68690	400.74
5	60°	1.750	9.500	3000 lbs	3,500	200385	578.11
6	60°	2.375	12.750	7500 lbs	2,500	97166	953.59

Extra Heavy-Duty Live Centers

- Rigid structure and seating of the rotating parts is characterized by long service life
- Commonly used for grinding applications
- Apex angle of 60° for reduced of deformation of the machine (tailstock, bed, headstock) from axial clamping forces
- Provided with shanks according to DIN 228 and ISO 296 (without clamping thread) standards
- ***MADE IN CZECH REPUBLIC***

Morse Taper	Point Angle	Point Maj. Dia. (inch)	Body Dia. (inch)	Body Length (inch)	O.A.L. (inch)	Weight Capacity	Max RPM	A.C.T. No.	Special Price $
4	60°	1.200	2.150	4.100	7.850	3300 lbs	3,200	189711	1646.34
5	60°	1.700	2.400	5.600	9.480	5500 lbs	2,700	137708	2031.01
6	60°	2.160	4.920	6.420	13.380	11000 lbs	1,900	134177	3839.91
7	60°	2.560	5.700	7.800	15.250	17600 lbs	1,600	209291	6677.24

Precision CNC Live Centers

- Intended for NC lathe applications
- Face parts are shaped to allow easy access for the tool to the workpiece
- A special ring is used to set the radial clearance of the centre. It also prevents cutting lubricant from leaking into the centre bearing space, and so extends the operational life of the centre
- Spindle-like point extends into shank where it is supported by a needle bearing, increasing rigidity, reducing point deflection and dampening vibration
- ***MADE IN CZECH REPUBLIC***

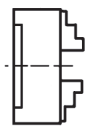
Morse Taper	Point Angle	Point Maj. Dia. (inch)	Body Dia. (inch)	Body Length (inch)	O.A.L. (inch)	Weight Capacity	Max RPM	A.C.T. No.	Special Price $
2	60°	.695	1.500	2.650	5.250	1300 lbs	6,000	136209	502.13
3	60°	.750	1.850	3.500	6.750	1550 lbs	5,000	143342	530.28
4	60°	1.125	2.200	3.950	8.150	4840 lbs	4,000	131789	616.15
5	60°	1.375	3.100	4.850	10.500	7750 lbs	3,500	132092	775.81

Extended Point Live Centers

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

Morse Taper	Point Angle	Point Maj. Dia. (inch)	Body Dia. (inch)	Body Length (inch)	O.A.L. (inch)	Weight Capacity	Max RPM	A.C.T. No.	Special Price $
2	60°	.866	1.417	2.560	5.059	594 lbs	6,000	108788	290.48
3	60°	1.181	1.850	3.386	6.575	704 lbs	5,000	115049	345.06
4	60°	1.378	2.165	4.094	8.169	2200 lbs	4,000	106329	434.01
5	60°	1.772	2.736	5.078	10.197	3960 lbs	3,500	109525	568.02
6	60°	2.362	3.504	6.319	13.425	12600 lbs	2,500	177947	1050.35

Precision Three-Jaw Self-Centering Scroll Lathe Chucks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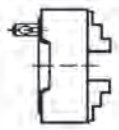
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3205 Plain Black

Chuck Size	Hole Size	Weight	A.C.T. No.	Special Price $
6″	1.6535	19 lbs.	93518	1076.81
8″	2.1654	34 lbs.	103379	1312.27
10″	2.9921	57 lbs.	72918	1764.53
12″	4.0551	96 lbs.	97895	2462.29
16″	5.3543	176 lbs.	85689	4729.33

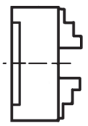
3245 Camlock Mount

Chuck Size	Hole Size	Weight	Mount Type	A.C.T. No.	Special Price $
6″	1.6535	19 lbs.	D1-3	130612	1320.88
			D1-4	130968	1320.88
			D1-5	209862	1450.53
8″	2.1654	34 lbs.	D1-3	150155	1687.00
			D1-4	86008	1687.00
			D1-5	79460	1687.00
			D1-6	73280	1687.00
10″	2.9921	57 lbs.	D1-5	209864	2287.14
			D1-6	201410	2287.14
			D1-8	126485	2287.14
12″	4.0551	96 lbs.	D1-6	84391	3266.31
			D1-8	99882	3266.31
			D1-11	209865	3266.31
16″	5.3543	176 lbs.	D1-6	64236	6361.76
			D1-8	92354	5867.86
			D1-11	112660	5867.86

Each precision scroll chuck has two-piece reversible jaws and a semi-steel body. Scroll threads and jaw serration surface are hardened and ground for a higher than standard precision and accuracy. Each chuck includes one set of two-piece reversible jaws, one chuck wrench and one set of mounting screws.

Other sizes and mounting options available.

Super Precision Forged Steel Chucks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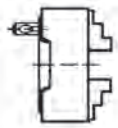
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3505 Plain Black

Chuck Size	Hole Size	Weight	A.C.T. No.	Special Price $
6″	1.6535	21 lbs.	209888	1633.88
8″	2.1653	36 lbs.	114788	1968.40
10″	2.9921	75 lbs.	66933	2324.47
12″	4.0551	123 lbs.	71978	3345.27
16″	5.3543	198 lbs.	119368	6356.01

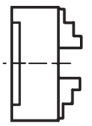
3545 Camlock Mount

Chuck Size	Hole Size	Weight	Mount Type	A.C.T. No.	Special Price $
6″	1.6535	21 lbs.	D1-3	115258	1844.93
			D1-4	118116	1844.93
			D1-5	210032	1844.93
8″	2.1653	36 lbs.	D1-6	210034	2136.39
10″	2.9921	75 lbs.	D1-6	201488	2459.43
			D1-8	210036	2459.43
12″	4.0551	123 lbs.	D1-6	58061	3503.20
			D1-8	99811	3503.20
			D1-11	207937	3503.20
16″	5.3543	198 lbs.	D1-8	125688	6957.59
			D1-11	150120	6957.59

Front Mounting Three-Jaw Self-Centering Scroll Lathe Chucks

These chucks are available with two sets of hard solid jaws (3274) or with two-piece hard reversible jaws (3275) and a semi-steel body. These chucks feature hardened and ground scrolls and jaws designed for use on lathes as well as rotary tables and other devices where back mounting chucks cannot be used. They can be used with special back-plates for direct mounting on rotary tables.

Chuck Size	Hole Size	3274 w/ Solid Jaws		Special Price $	3275 w/ 2pc Jaws		Special Price $
		Weight	A.C.T. No.		Weight	A.C.T. No.	
4″	.7874	5.3 lbs.	209918	979.17	-	-	-
5″	1.2598	-	-	-	10 lbs.	168742	1134.24
6″	1.6585	-	-	-	18 lbs.	193861	1198.84
8″	2.1654	32 lbs.	132212	1220.38	34 lbs.	134653	1369.70
10″	2.9921	52 lbs.	188666	1685.56	57 lbs.	132967	1856.42
12″	4.0551	-	-	-	96 lbs.	138070	2760.93



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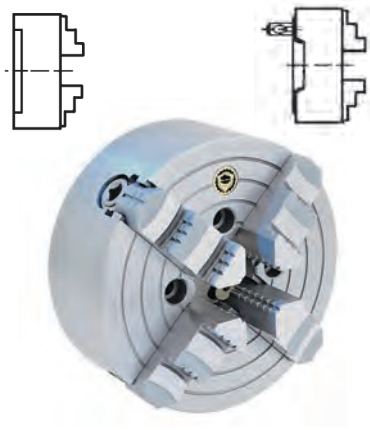
BISON

4304 Plain Back

Chuck Size	Hole Size	Weight	A.C.T. No.	Special Price $
3.1/2″	1.0000	3.4 lbs.	128295	1118.45
5″	1.0230	8 lbs.	120209	1382.62
6″	1.6530	9 lbs.	109055	1137.10
8″	1.9680	32 lbs.	86206	1455.84
10″	2.5590	55.1 lbs.	117600	1797.54
12″	3.1490	88.1 lbs.	70615	2324.47
16″	3.9370	140 lbs.	90531	3414.19
20″	4.9310	233 lbs.	82214	6305.76
25″	6.2990	366 lbs.	89766	8140.64
32″	7.8740	700 lbs.	94005	15132.68
32″	10.5000	672 lbs.	149222	17362.11
36″	7.4809	800 lbs.	209922	24815.29

Other sizes and mounting options available.



4344 Camlock

Chuck Size	Hole Size	Weight	Mount Type	A.C.T. No.	Special Price $
8″	1.968	32 lbs.	D1-3	150031	1691.31
			D1-4	113136	1691.31
			D1-5	209943	1691.31
10″	2.559	55.1 lbs.	D1-4	102085	2064.60
			D1-5	209945	2064.60
			D1-6	100608	2064.60
12″	3.149	88.1 lbs.	D1-6	201489	2552.75
			D1-8	105217	2552.75
16″	3.937	140 lbs.	D1-6	102775	3613.75
			D1-8	85304	3613.75
			D1-11	148812	3613.75
20″	4.931	233 lbs.	D1-8	130652	6262.69
			D1-11	132700	6262.69
25″	6.2990	366 lbs.	D1-11	132274	9272.00

Soft Jaws

- ***3 per set***
- 1.5 x 60 Serration

TALMAC Made in Italy

SOWA TOOLING SOLUTIONS

Pointed/Offset Holes

Kitagawa Chuck Type	Chuck Dia.	Jaw Height	A.C.T. No.	Special Price $ /Set (3pc)
B08, BB08, B208, BB208	8″	40mm	266944	155.26
B10, BB10, B210, BB210	10″	40mm	252799	162.83
B10, BB10, B210, BB210	10″	100mm	491-476*	375.79
B212, BB212, BT212	12″	50mm	251430	242.45
B15 & B18	15″/18″	60mm	278569	476.63

Square

Kitagawa Chuck Type	Chuck Dia.	Jaw Height	A.C.T. No.	Special Price $ /Set (3pc)
B08, BB08, B208, BB208	8″	40mm	265847	147.01
B10, BB10, B210, BB210	10″	40mm	274364	162.83
B212, BB212, BT212	12″	50mm	262224	242.54
B212, BB212, BT212	12″	80mm	269864	340.80
B212, BB212, BT212	12″	100mm	248350	474.79
B15 & B18	15″/18″	60mm	297275	476.63

**Manufacturer part number listed*

Face Plates

BISON

Size	A.C.T. No.	Special Price $
6.1/4	209963	1564.96
8	209965	1631.00
12.1/2	209968	2239.75

OUR COMMITMENT TO EXCELLENCE

Exceeding Customers' Expectations

Digimatic Calipers - Series 500

Mitutoyo

Equipped with the electromagnetic induction type absolute encoder and AOS (Advanced O nsite Sensor) applied for ABS coolant-proof calipers.

Mitutoyo's absolute Digimatic Caliper is the next generation of electronic calipers. It keeps track of its origin point once set.

Whenever turned on, the large LCD screen displays the actual slider position ready to start measurement.

No more repeated zero setting is necessary with the absolute encoder technology as well as no more overspeed errors. .0005"/0.01mm Resolution.

Model No.	Measuring Range	LCD Resolution	A.C.T. No.	Special Price $
500-195-30	4"/100mm	.0005" (0.01mm)	294932	153.72
500-196-30	6"/150mm	.0005" (0.01mm)	282331	166.32
500-197-30	8"/200mm	.0005" (0.01mm)	284648	239.40
500-164-30*	8"/200mm	.0005" (0.01mm)	307483	414.12
500-93-30	12"/300mm	.0005" (0.01mm)	326282	472.92
500-166-30	12"/300mm	.0005" (0.01mm)	322584	792.12

*Carbide OD/ID Jaws

With SPC Output

SPC

Model No.	Measuring Range	LCD Resolution	A.C.T. No.	Special Price $
500-171-30	6"/150mm	.0005" (0.01mm)	290867	194.88
500-172-30	8"/200mm	.0005" (0.01mm)	290876	257.04
500-173-30	12"/300 mm	.0005" (0.01mm)	322560	515.76
500-505-10	18"/450mm	.0005" (0.01mm)	120377	871.92
500-506-10	24"/600mm)	.0005" (0.01mm)	36007	958.44
500-507-10	40"/1000mm	.0005" (0.01mm)	138486	1844.64

Dial Calipers - Series 505

Mitutoyo

- Resolution: .001"
- Extra-rigid main beam
- Sliding surfaces of the main blade are coated with titanium (except 12" model)
- While quantities last

Model No.	Measuring Range	Range/Rev	Accuracy	A.C.T. No.	Special Price $
505-743	0-8"	.10"	± .001"	296674	187.32
505-746	0-12"	.10"	± .002"	295004	304.92

Replacement Battery

Energizer

Replacement battery for electronic digital measuring tools. These batteries are equivalent to the SR44 battery that is standard for most tools.

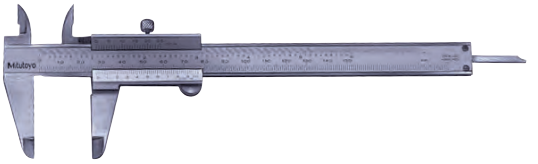
Don't Forget Replacement Batteries!

Size	PKG	A.C.T. No.	Special Price Ea.
A76 (LR44)	1	320937	1.60

Precision Vernier Calipers - Series 530

Mitutoyo

The finest of vernier calipers for accurate work, with Mitutoyo's exclusive "Quadri" 4-way measuring feature. Accuracy ±0.03mm.



Model No.	Range		Resolution		A.C.T. No.	Special Price $
	Lower Scale	Upper Scale	Lower Scale	Upper Scale		
530-105	0-6"	0-6"	.001"	1/128"	66990	87.36
530-116	0-8"	0-8"	.001"	1/128"	36234	131.88
530-312	0-150mm	0-6"	.02mm	.001"	36236	94.92
530-118	0-200mm	0-8"	.02mm	.001"	36235	118.44

Coolantproof Digimatic Caliper

Mitutoyo

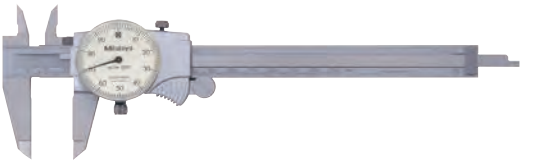
ABSOLUTE™ NEW PRODUCT IP67

- Can be used in workshop conditions exposed to coolant, water, dust or oil.
- Incorporates absolute measurement system.
- Automatic power-on/off.
- With thumb roller.
- .0005"/0.01mm Resolution.

Model No.	Measuring Range	LCD Resolution	A.C.T. No.	Special Price $
500-752-20	6"/150mm	.0005" (0.01mm)	187346	221.76
500-753-20	8"/200mm	.0005" (0.01mm)	300230	298.20
500-754-20	12"/300mm	.0005" (0.01mm)	323739	442.68

Mitutoyo Dial Calipers

Mitutoyo



- New designed dial movement for ultra smooth sliding and high shock protection.
- TiN coating is applied to the sliding surface to increase wear resistance (except for 12" model).
- Can measure OD, ID, depth, and steps.
- Clamping screw atop the slider.
- Models available with carbide-tipped OD and ID jaws.

Model No.	Measuring Range	Range/Rev	Accuracy	A.C.T. No.	Special Price $
505-742	6"	.100"	± .001"	298033	141.96
505-743	8"	.100"	± .001"	296674	187.32
505-746	12"	.100"	± .001"	295004	304.92
505-738	6" .100"/rev.	.100"	± .001"	300528	220.92
505-749	12" .200/rev	.200"	± .001"	300757	278.04

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Digimatic Carbon Fiber Calipers

Mitutoyo

- Lightweight Digimatic Calipers that employ CFRP (Carbon Fiber Reinforced Plastics) in the beam and jaws.
- Highly durable and easy to handle
- Direct readout of ID measurements from the LCD. (Offset value can be set easily by pressing the Offset key.)
- Preset function for setting a desired starting point.
- With SPC data output.
- Special models available with ceramic jaws which are suitable for measuring abrasive and magnetic products.
- .0005"/0.01mm Resolution

IP66 SPC

Model No.	Measuring Range	LCD Resolution	A.C.T. No.	Special Price $
552-312-10	18"	.0005"/0.01mm	166117	1007.16
552-313-10	24"	.0005"/0.01mm	237921	1128.96
552-314-10	40"/1000mm	.0005"/0.01mm	121236	2016.00
552-315-10	60"/1500mm	.0005"/0.01mm	186225	2409.12

IP65 Digimatic Micrometers

Mitutoyo

- Extra large LCD readout.
- Two measuring modes, ABS (absolute) and INC (incremental) for efficient measurement.
- Functions available: Origin setting, Inch/mm selection,
- Zero-setting, Data Hold only with SPC Models, Error alarm, Auto-sleep, Data output. (where noted)
- Three types of constant-force devices are available: ratchet stop, ratchet-friction thimble, and friction thimble.
- Carbide-tipped measuring faces.

Model No.	Measuring Range	LCD Resolution	A.C.T. No.	Special Price $
293-340-30	0-1"/0-25mm	.00005"/0.001mm	290856	197.40
293-348-30	0-1"/0-25mm	.00005"/0.001mm	303989	199.08
293-344-30	0-1"/0-25mm	.00005"/0.001mm	294466	197.40
293-345-30	1-2"/25-50mm	.00005"/0.001mm	291524	257.88
293-341-30	1-2"/25.4-50.8mm	.00005"/0.001mm	215895	257.88
293-346-30	2-3"/50.8-76.2mm	.00005"/0.001mm	306012	336.84
293-342-30	2-3"/50.8-76.2mm	.00005"/0.001mm	215896	320.88
293-343-30	3-4"/76.2-101.6mm	.00005"/0.001mm	287378	373.80

With SPC Output

SPC

Model No.	Measuring Range	LCD Resolution	A.C.T. No.	Special Price $
293-330-30	0-1"/0-25mm	.0005" (0.01mm)	295772	253.68
293-335-30	0-1"/0-25mm	.00005"/0.001mm	300805	255.36
293-331-30	1-2"/25-50mm	.00005"/0.001mm	303144	299.88
293-336-30	1-2"/25-50mm	.00005"/0.001mm	290797	300.72

MDH Digimatic Micrometer

Mitutoyo

High-Accuracy Sub-Micron Digimatic Micrometer

- Enabling .000005"/ 0.0001m resolution measurement, this micrometer is ideal for customers who need to make highly accurate measurements with a hand-held tool.
- A highly rigid frame and high-performance constant-force mechanism* enable more stable measurement, the clicks emitted while the work piece is being measured assure the operator that measurement is proceeding normally.

* Patent pending in Japan, the United States of America,European Union, and China

NEW PRODUCT

Model No.	Measuring Range	LCD Resolution	A.C.T. No.	Special Price $
293-130-10	0-1"/0-25.4mm	.000005", .00002" 0.0001mm, 0.0005mm	322585	1733.76

Mitutoyo IP65 QuantuMike

Mitutoyo

2mm spindle feed that reduces measurement time!

QuantuMike

IP65

Model No.	Measuring Range	LCD Resolution	A.C.T. No.	Special Price $
293-185-30	0-1"/0-25mm	.00005"/0.001mm	307926	239.40
293-186-30	1-2"/25-50mm	.00005"/0.001mm	232210	275.52

MDC-LITE Digimatic Micrometer

Mitutoyo

The Digimatic MDC Lite Micrometers have carbide measuring faces and are available with either a ratchet or friction thimble.
They also have a zero-set key for easy origin setting. Non-output.

Model No.	Range	Resolution	Accuracy	A.C.T. No.	Special Price $
293-831-30	0-1"/0-25mm	.00005"/0.001mm	±.0001"	215941	146.16
293-832-30	0-1"/0-25mm	.00005"/0.001mm	±.0001"	151704	153.72

Digimatic Point Micrometer

Mitutoyo

- Pointed spindle and anvil for measuring the web thickness of drills, keyways, and other hard-to-reach dimensions.
- The measuring points have approximately 0.3mm / .012" radius.
- With a standard bar except 0 - 1" and 0 - 25mm model.
- IP65 water/dust protection and SPC output.
- 5 degree measuring points

IP65 SPC

Model No.	Range	Resolution	Accuracy	A.C.T. No.	Special Price $
342-351-30	0 - 1"/0 - 25.4mm	00005" 0.001mm	±.0001"	224673	492.24
342-352-30	1 - 2"/25.4-50.8mm	00005" 0.001mm	±.0001"	342-352-30*	547.68

**Manufacturer part number listed*

Blade Micrometers

Mitutoyo

Used for measuring groove diameters on shafts.

- The anvil and the spindle have a blade for measuring the groove diameter or shafts, keyways, and other hard to reach areas.
- With Ratchet Stop for constant force.

Model No.	Range	Resolution	Remark	A.C.T. No.	Special Price $
122-125-10	0-1"	.0001"	.030" Steel Blade	35433	303.24
122-135-10	0-1"	.0001"	.016" Steel Blade	35437	367.08
122-151	0-1"	.0001"	.020" Carbide Blade	35438	374.64
122-126-10	1-2"	.0001"	.030" Steel Blade	337805	333.48
122-127	2-3"	.0001"	Type A	35435	339.36
422-330-30	0 - 1" 0 - 25.4mm	.00005" 0.001mm	Type A	336813	829.92
422-331-30	1 - 2" 25.4 - 50.8mm	.00005" 0.001mm	Type A	330823	888.72

** Manufacturer part number listed*

Spherical Anvil/ Spherical Anvil & Spindle Micrometers

Mitutoyo

- Designed to measure the wall thickness of tubing
- With Ratchet Stop for constant force.
- Supplied in fitted plastic case.

Model No.	Range	Resolution	Remark	A.C.T. No.	Special Price $
115-153	0-1"	.0001"	Spherical Anvil/Flat Spindle	35391	141.96
395-371-30	0 - 1" 0 - 25.4mm	.00005" 0.001mm	Digital model with spherical anvil	299295	434.28

Screw Thread Micrometers

Mitutoyo

- With Ratchet Stop for constant force.
- With a standard bar except 0 - 25mm and 0 - 1" model.

Model No.	Range	Resolution	Remark	A.C.T. No.	Special Price $
126-137	0-1"	.001"	Ratchet	35441	477.96
126-138	1-2"	.001"	Ratchet	35442	571.20
126-139	2-3"	.001"	Ratchet	35443	645.96
126-901	0-1"	.001"	with anvil set 126-800	35454	978.60
326-351-30	0 - 1" 0 - 25.4mm	.00005" / 0.001mm	Digital model	303259	708.96
126-800	0.4 - 0.5mm/64 - 48TPI (126-801) 0.6 - 0.9mm/44 - 28TPI (126-802) 1 - 1.75mm/24 - 14TPI (126-803) 2 - 3mm/13 - 9TPI (126-804) 3.5 - 5mm/8 - 5TPI (126-805) 5.5 - 7mm/4.5 - 3.5TPI (126-806)			35447	421.68

Mitutoyo Disk Micrometers

Mitutoyo

- Diameter of measuring disk: .79".
- Disk edge thickness .028".
- With Ratchet Stop for constant force.

Model No.	Range	Resolution	Remark	A.C.T. No.	Special Price $
123-125	0-1"	.001"	.787" Dia. Disk	181980	258.72
323-350-30	0 - 1"/0 - 25.4mm	.00005" 0.001mm	±.0002"	336432	530.88

Mechanical Micrometers

Mitutoyo

- Carbide-tipped measuring faces for long wear.
- Ratchet or friction thimble for repetitive measurements.
- Supplied with a fitted plastic case.
- 1-2" and larger mics supplied with standard(s) as noted.

Model No.	Range	Resolution	Remark	A.C.T. No.	Special Price $
103-135	0-1"	.0001"	Friction	35265	118.44
103-177	0-1"	.001"	Ratchet	35279	93.24
103-260	0-1"	.0001"	Ratchet, Angular Frame	35330	117.60
103-262	1-2"	.0001"	Ratchet, Angular Frame	35331	136.08
103-136	1-2"	.0001"	Friction	35266	133.56
103-178	1-2"	.001"	Ratchet	35280	107.52
103-217	2-3"	.0001"	Ratchet	35319	156.24
103-179	2-3"	.001"	Ratchet	35281	133.56
103-218	3-4"	.0001"	Ratchet	35320	170.52
103-180	3-4"	.001"	Ratchet	35282	150.36
103-181	4-5"	.001"	Ratchet	35283	160.44
103-219	4-5"	.0001"	Ratchet	35321	186.48
103-182	5-6"	.001"	Ratchet	35284	172.20

Mitutoyo Uni-Mike

Mitutoyo

Measures tube thickness, shoulder distances, rivet head height, etc. with interchangeable anvils (flat anvil, rod anvil, V-anvil). V-Anvil (201218) is optional.

Model No.	Range	Resolution	Remark	A.C.T. No.	Special Price $
117-107	0-1"	.0001"	w/ Flat & Rod Anvil	35417	220.92
317-351-30	0-1"/0-25mm	.00005" 0.001mm	IP-65 with SPC output	317-351-30*	563.64

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Micrometer Stand

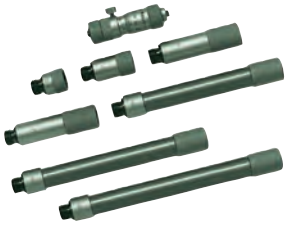
Mitutoyo

Designed to hold up to a 4" micrometer or other small measurement tools such as a Holtest. The mic stand provides benchtop convenience when using a handheld tool.

Model No.	Description	A.C.T. No.	Spacial Price $
156-101-10	Micrometer Stand for Up to 4" Mic, Adjustable Angle Type	35552	93.24

Tubular Inside Micrometer Series 137

Mitutoyo



Model No.	Range	Extension Rods	A.C.T. No.	Special Price $
137-214	2-40"	.5", 1", 2", 4" (2pcs), 6", 8", 12"	35491	618.24

Inside Micrometers - Series 141

Mitutoyo

Popular measuring instrument due to ease of use and wide range of measuring capacity.

Model No.	Range	Spacing Collar	Rod Diameter	A.C.T. No.	Special Price $
141-208	2-8"	.500"	.248"	166223	190.68
141-233	2-12"	.500"	.248"	35511	235.20

Outside Micrometers

Mitutoyo

- Wide measuring range with interchangeable anvils
- Carbide-tipped spindle
- Provided with Ratchet Stop for constant force
- While quantities last

Model No.	Range	Description	A.C.T. No.	Special Price $
104-137	0-6"	Includes 6 Anvils & 5 Standards	35348	408.24
104-138	6-12"	Includes 6 Anvils & 6 Standards	35349	701.40

Mechanical Micrometer 3 pc. set with 2 standards

Mitutoyo

103-992

- Carbide-tipped measuring faces for long wear.
- Ratchet or friction thimble for repetitive measurments.
- Supplied with a fitted carrying case.
- Supplied with standards.

Outside Micrometer Sets

Display type:	Vernier scale
Anvil/spindle style:	Flat
Graduation Interval:	0.0001"
Face material:	Carbide-tipped
Flatness:	0.000024"

103-907-40

103-908-40

Mechanical Micrometer Set .0001" Graduation

Model No.	Range	Resolution	Remark	A.C.T. No.	Special Price $
103-922	0-3"	.0001"	3 pc. set includes 2 stds	35341	404.88
103-904-10*	0-6"	.001"	6 pc. set, 5 standards	35332	915.60
103-907-40	0-6"	0001"	6 pc. set, 5 standards	267896	838.32
103-908-40	0-12"	0001"	12 pc. set, 1 1 standards	270267	2112.60

*Includes Standards

Digital Inch/metric

Model No.	Range	Resolution	Remark	A.C.T. No.	Special Price $
340-351-30	0-6"/ 0-152.4mm	.00005"/0.001mm	6 anvils & 5 standards	303393	779.52
340-352-30	6-12"/152.4 - 304.8mm	.0001"/0.001mm	6 anvils & 6 standards	207841	957.60

Data Collection Accessories

Mitutoyo

MeasurLink® Real-Time enables you to connect and acquire data from virtually any measuring device. It supports the full range of metrology technology.

937179T

264-016

Model No.	Description	A.C.T. No.	Special Price $
64AAB470	MeasurLink 9 Real-Time Standard	64AAB470*	1434.00
937179T	Foot switch	129676	52.00
264-016-10	35 " USB Input Tool	311802	209.16
05CZA662	40" cable w/ data out switch for IP65 Micrometers	234200	95.00
959149	40" cable w/ data out switch for Calipers	163164	64.60

** Manufacturer part number listed*

Mitutoyo Bluetooth® U-WAVE

Mitutoyo

U-WAVE-TMB/TCB is combatible with most Digimatic micrometers and Calipers. Thin and compact for a better fit with Digimatic gages, and featuring improved operability and performance inherited from its predecessor. Now available with Bluetooth wireless technology. No receiver is required, and one PC can connect you to seven units of Mitutoyo Bluetooth U-WAVE.

Digimatic gage, connecting unit and transmitter combinations

		Assembled Appearance	Connecting Unit	Transmitting	Special Price $
For Micrometers	Standard		02AZF310	U-WAVE-TMB buzzer type 264-627	236.88
For Micrometers	Waterproof Type			U-WAVE-TMB IP67 type dust/water proof 264-626 IP67	236.88
For Calipers	Standard		02AZF300	U-WAVE-TMB buzzer type 264-625	236.88
For Calipers	Coolant Proof Type		02AZF310	U-WAVE-TMB IP67 type dust/water proof 264-624 IP67	236.88

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Mitutoyo Caliper Gages

Internal measurement type

Versatile ID measuring gages for hole diameters, groove thickness, tube diameter, and hard-to-reach dimensions. The Digimatic Caliper Gages provide error-free LCD readings as well as data output for SPC analysis.

External measurement type

Versatile OD measuring gages for groove thickness, tube thickness, and hard to reach dimensions. The Digimatic Caliper Gages provide error-free LCD readings as well as data output for SPC analysis.

209-552

209-352

209-572

209-455

Digimatic Internal measurement type

Model No.	Range	Resolution	Accuracy	A.C.T. No.	Special Price $
209-552	.39 -1.18"/ 10-30mm	.0005"/ 0.01mm	.0015"/ 0.03mm	272402	756.84
209-553	.79 -1.58"/ 20-40mm	.00005"/0.001mm	.0015"/ 0.03mm	276044	756.84
209-554	1.18 -1.97"/ 30-50mm	.00005"/0.001mm	.0015"/ 0.03mm	331576	756.84

Digimatic External measurement type

Model No.	Range	Resolution	Accuracy	A.C.T. No.	Special Price $
209-932	0 - .78"/ 0-20mm	.0005"/ 0.01mm	.0015"/ 0.03mm	336253	760.20
209-918	0-1.97"/0-50mm	.001"/0.02mm	.002"/0.04mm	315340	949.20

Dial Internal measurement type

Model No.	Range	Resolution	Accuracy	A.C.T. No.	Special Price $
209-352	.40 - 1.2"	.0005"	± .0015"	256106	750.12
209-354	.80 - 1.6"	.0005"	± .0015"	306200	750.12
209-355	1.2 - 2"	.0005"	± .0015"	279876	750.12

Dial External measurement type

Model No.	Range	Resolution	Accuracy	A.C.T. No.	Special Price $
209-452	0 - .40"	.0002"	± .0008"	209-452*	750.12
209-455	0 - .80"	.0005"	± .0015"	328017	750.12

** Manufacturer part number listed*

Ruby Stylus Test Indicator

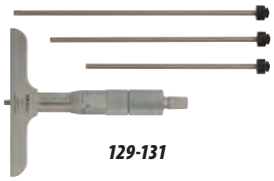
- Wear characteristic improved by 50%.
- Non-magnetic and non-conductive material, enable its use in EDM operation

513-472

Contact Point diameter: .079"
Stem diameter: Ø3/8"

Model No.	Graduation	Range	Force	Accuracy	A.C.T. No.	Special Price $
513-472-10E	.0005"	.030"	.072N or less	±.0005"	309345	154.56

Depth Micrometers



129-131

329-350-30

- Interchangeable rods, with lapped measuring end, provide a wide measuring range.dimensions.
- Hardened and lapped base. With ratchet stop for constant force.
- With measuring rod clamp. Digimatic has SPC output.

2.5" x 0.63" Base

Model No.	Range	Resolution	Rods	A.C.T. No.	Special Price $
129-127	0 - 4"	.001"	4	35464	194.88
129-128	0 - 6"	.001"	6	35465	239.40

4" x 0.63" Base

Model No.	Range	Resolution	Rods	A.C.T. No.	Special Price $
129-131	0 - 4"	.001"	4	35466	220.08
129-132	0 - 6"	.001"	6	35467	256.20

4" x 0.63" Base

Model No.	Range	Resolution	Rods	A.C.T. No.	Special Price $
329-350-30	0-6"/150mm	.00005"/0.001mm	6	203242	628.32

Mitutoyo Test Indicators and Test Indicator Sets

Test Indicators Include:

- Inch Test indicator, .079" carbide contact point, 3/8" stem, stem nut and case.
- Metric Test indicator, 2mm carbide contact point, 8mm stem, stem nut and case.

513-412

513-402T

Test Indicator Sets Include:

Test indicator, .079" carbide contact point, 3/8" and 5/32" stem, stem nut, .039 and .118" contact point, swivel clamp, square arm and case.

Test Indicators

Model No.	Range	Resolution	Dial Reading	A.C.T. No.	Special Price $
513-402-10E	.0005"	.030"	0-15-0	304881	127.68
513-412-10E	.0005"	.030"	0-15-0	310002	198.24
513-403-10E	.0001"	.008"	0-4-0	305080	147.84
513-401E	.001mm	.14mm	0-70-0	513-401E*	222.60

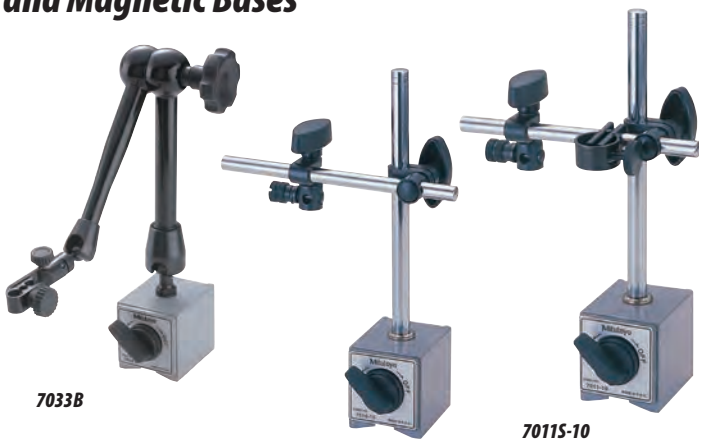
Test Indicator Sets

Model No.	Range	Resolution	Dial Reading	A.C.T. No.	Special Price $
513-402-10T	.0005"	.030"	0-15-0	306885	142.80
513-412-10T	.0005"	.030"	0-15-0	306981	228.48
513-442-10T	.0005"	.060"	0-15-0	307302	211.68
513-403-10T	.0001"	.008"	0-70-0	307927	210.84
513-518T	.001"	0.04	0-20-0	150400	155.40

** Manufacturer part number listed*

Mitutoyo Indicator Stands and Magnetic Bases

Mitutoyo



- Magnetic bases have 132 lbf holding power
- Magnetic bases have magnet On/Off switch
- Indicator stand has 4" vertical travel and arm rotates 360 degrees.
- Indicator stand has .040" fine adjustment and 3/8" mounting hole.

Model No.	Description	A.C.T. No.	Special Price $
7033B	Magnetic Base, 132 lbf, Articulated Arm w/Clamp	264275	210.84
7010S-10	Magnetic Base, w/On-Off Switch, 132Lb Force, 6" Rod and Universal Clamp	36452	101.64
7011S-10	Magnetic Base, w/On-Off Switch, 132Lb Force, 6" Rod and Universal Clamp, with Fine Adjustment	285436	110.88

Flexible Magnetic Stand

Mitutoyo

This magnetic stand accepts all AGD-type dial indicators, test indicators and probes that have .375", 6mm or 8mm diameter shanks and or lug back with 1/4" diameter mounting hole.

Model No.	Description	Magnetic Pull	A.C.T. No.	Special Price $
7012-10	Magnetic flexi-stand with on/off switch	132 lbf	36454	192.36

Dial Indicator and Magnetic Stand Set

Mitutoyo

Moulded custom case with indicator:

1" range, .001" graduation and 0-100 dial reading. Mag base with 132 lbs. pull. Great value! While quantities last.

Model No.	Dial Indicator	Magnetic Stand	A.C.T. No.	Special Price $
7046PCK	2416F	7010SN	151702	200.76

Magnetic Stand and Digimatic Indicator Tool Set

Mitutoyo

Tool Kit Highlights:

Magnetic stand accepts dial, digimatic & test indicators (Ø6mm, Ø8mm*, Ø9.5mm (3/8"). Flat back style with simple design is an industry favourite (Range: .5"/12.7mm) Resolution: .0005"/0.01mm. It features ABSOLUTE encoder technology, and SPC output.

Functions:

Origin-set, Zeroset, counting direction switching, Power ON/OFF, Data Output.

NEW PRODUCT

*supplied with a spacing collar

Model No.	Dial Indicator	Magnetic Stand	A.C.T. No.	Special Price $
S950-783	543-783B	7010SN	300667	316.68

Universal Magnetic Stand

Mitutoyo

- This magnetic stand is a device that enables the setting of dial indicators and dial test indicators in any position for maximum flexibility
- 5 pivot points
- Can be used with instruments with stem diameter: Ø8mm, Ø6mm, 3/8"

NEW PRODUCT

Model No.	Height	Max. Art. Radius	Base Mounting Strength	Resistance to 90°	A.C.T. No.	Special Price $
7031B	208 mm	159 mm	400N	1 kgf	292515	201.60
7033B	431 mm	353 mm	600N	1.5 kgf	264275	210.84

ID-S Digimatic Indicators - Series 543

Mitutoyo

Absolute "Set'N Forget" Technology.
Face rotates 330° for use at various angles.
Standard stem (3/8") with flat back or lug back.

With SPC Output

ABSOLUTE™

Model No.	Style	Range	LCD Resolution	A.C.T. No.	Special Price $
543-783B	Flat Back	0-.5" (0-12.7 mm)	.0005" (0.01 mm)	125304	188.16

ID-U Digimatic Indicator

Mitutoyo

Absolute "Set'N Forget" Technology.
Compact and economical design. Provided with SPC output. While quantities last.

U-WAVE® COMPATIBLE
Contact A.C.T. for Details

ABSOLUTE™
SPC

With SPC Output

Model No.	Range	LCD Resolution	A.C.T. No.	Special Price $
575-123	0-1"/0-25.4mm	.0005"/0.01mm	128204	207.48

Dial Indicator Compact - Series 1

Mitutoyo

Series 1 Compact Dial Indicators feature Metric face, ANSI Standard stem (3/8") with lug back.
While quantities last.

Model No.	Range	Grad.	Dial Reading	A.C.T. No.	Special Price $
1410A	.1"	.001"	0-100	36316	105.84

Dial Indicators - Series 2

Mitutoyo

Group 2 Dial Indicators feature Inch – ANSI Standard stem (3/8") with lug back. Regular dial Indicator shown. While quantities last.

Model No.	Range	Grad.	Dial Reading	A.C.T. No.	Special Price $
2414S	.5"	.001"	0-100	196938	111.72
2416S	1"	.001"	0-100	64780	110.88
2416S-10*	1"	.001"	0-100	36377	125.16
2424-19*	2"	.001"	0-100	339642	224.28

*Jeweled Bearings

Mitutoyo Digimatic Indicators

Mitutoyo

Mitutoyo Digimatic Indicators all have Inch/Metric conversion, SPC output and 3/8"mounting stems. The IDS, IDU and IDC are battery powered. The IDF uses a 120V AC adapter.

The IDS is a low cost general purpose Digimatic indicator.

Functions: Origin set, Zero set, ± Counting.

The IDU is a low cost Digimatic indicator with a unique slim profile.

Functions: Origin set, Zero set, ± Counting.

The IDC Digimatic indicator has additional functions for your demanding gaging applications and a face that rotates 330° for easy viewing.

Functions: Origin set, Preset, Go/±NoGo judgment, ABS/INC, Zero set, ± Counting, Calculation function f(x)=Ax.

Models available with selectable resolutions:

.00005"/.0001"/.0005"/0.001mm/0.01mm Resolution

The ID-F Digimatic indicator is ideal for tolerance judgement applications.

- GO/±NG judgment is performed by setting the upper and lower tolerances. If a judgment result is out of tolerance, the display backlighting changes from green to red, so tolerance judgment can be made at a glance.
- With SPC data output.

Functions: Origin-set/Preset, Zeroset, GO/±NG judgment, Max/Min value hold, Runout measurement, Resolution switching, Counting direction switching, Power ON/OFF, Data output

Mitutoyo IDS Style

Model No.	Range	Resolution	Back Type	A.C.T. No.	Special Price $
543-793	.500"/12.7mm	.0001"/0.001mm	Lug Back	543-793*	291.48
543-793B	.500"/12.7mm	.0001"/0.001mm	Flat Back	300823	291.48
543-783	.500"/12.7mm	.0005"/0.01mm	Lug Back	286956	188.16
543-783B	.500"/12.7mm	.0005"/0.01mm	Flat Back	125304	188.16

Mitutoyo IDU Style

Model No.	Range	Resolution	Back Type	A.C.T. No.	Special Price $
575-123	1"/25mm	.0005"/0.01mm	Flat Back	128204	207.48

Mitutoyo IDC Style

Model No.	Range	Resolution	Back Type	A.C.T. No.	Special Price $
543-392	.500"/12.7mm	.0005"/0.01mm	Lug Back	123542	451.92
543-392B	.500"/12.7mm	.0005"/0.01mm	Flat Back	121623	451.92
543-472B	1"/25.4mm	.00005"/0.001mm	Flat Back	244531	669.48
543-492B	2"/50.8mm	.00005"/0.001mm	Flat Back	280035	755.16

Mitutoyo ID-F Style High Accuracy

Model No.	Range	Resolution	Back Type	A.C.T. No.	Special Price $
543-552A	0-1"/ 0-25.4mm	.00005", .0001", .0005", .001", 0.001mm, 0.01mm	Flat Back	148743	709.80
543-558A	2"/50.8mm		Flat Back	223918	822.36

Mitutoyo ID-H Style High Accuracy

Model No.	Range	Resolution	Back Type	A.C.T. No.	Special Price $
543-562A	1.2" / 30.4mm	.00002", .00005", .0001", 0.0005mm, 0.001mm	Flat Back	324866	939.12

*Manufacturer part number listed

Series 511 Standard Bore Gages and Series 2 - Standard Type Dial Indicators

Mitutoyo

The Best-Selling Inside Diameter Measurement Tools are now ***More Accurate, More Easily Used, More Durable!***

- All models now more accurate
- 33% longer plunger stroke
- Carbide contact-tips and anvils
- New grip improves accuracy during prolonged use
- New contacts mean smoother action and better durability

Bore Gage Accuracy

Wide-range accuracy: 2 µm / .00008"
Repeatability: 0.5 µm / .00002"
Adjacent error: 1 µm / .00004"

NEW PRODUCT

511-743

2922SB

2923SB-10

511-743

Series 2 - Standard Type Dial Indicators

Features: Stem 3/8 in dia. ø8mm #4-48 UNF Thread

Model No.	Range	Graduation	Type	Accuracy	A.C.T. No.	Special Price $
2922AB	0.125"	0.0005"	Standard †	◊	175368	126.84
2923AB-10	0.05'	0.0001"	Jeweled	Δ	189114	162.96

† Standard Type, Flat Back, ◊ +/- .0005" First 2.5 Rev Accuracy +/- .0005" Overall Accuracy, Δ +/- .0001" +/- .0002" (overall)

Series 511 Standard Bore Gages

Measuring Range	No. Spacers	No. Anvils	Model No. Without Indicator	A.C.T. No.	Special Price $	With 2922SB Graduation .0005"	A.C.T. No.	Special Price $	With 2923SB-10 Graduation .0001"	A.C.T. No.	Special Price $
.7 - 1.4"	2	9	511-731	263606	278.04	511-741	281388	378.84	511-751	36043	372.12
1.4 -2.5"	4	6	511-732	253456	285.60	511-742	124222	376.32	511-752	252970	424.20
2.0 - 6.0"	4	11 (2" sub anvil)	511-733	249997	308.28	511-743	201502	417.48	511-753-20	339085	416.64
4.0 - 6.5"	4	13	511-734	281287	460.32	511-744	281387	551.88	511-754	114573	615.72
6.5 - 10"	7	6	511-735	281288	540.12	511-745	162252	626.64	511-755	73253	690.48
10 - 16"	7	5 (3" sub anvil)	511-736	511-736*	678.72	511-746	281386	766.08	511-756	247129	821.52
.7 - 6"	10	26 (2" sub anvil)	-	-	-	511-931	82801	1032.36	511-932	88101	1090.32

**Manufacturer part number listed*

Small Hole and Telescoping Gage Sets

Mitutoyo

- Used with an outside micrometer for measuring inside diameter of bores.
- 4 to 6 sizes of gages are supplied in a fitted pouch
- Extra long for gaging deep and shallow holes slots, and similar workpieces.
- Gaging surface is fully hardened to ensure long tool life.

Model No.	Description	Range	A.C.T. No.	Special Price $
155-903	6-Pc. Telescoping Gage Set	5/16 to 6"	35549	218.40
155-904	5-Pc. Telescoping Gage Set	1/2 to 6"	35550	191.52

Steel Gage Block Sets

Mitutoyo

Model No.	Blocks per Set	Grade	Size	A.C.T. No.	Special Price $
516-402-26†	81	0	.1001 - .1009" .101 - .149" .05 - .95" 1 - 4"	249929	3074.40
516-901-26†	81	00		210568	4314.24
516-902-26†	81	0		113661	2147.04
516-903-26†	81	AS-1		278746	1864.80
516-904-26†	81	AS-2		265666	1693.44
516-913-26†	35	00	.10005 .1001 – .1009 .101 – .109 .11 – .19 .1 - .3 .5, 1, 2, 4	210570	1895.04
516-914-26†	35	0		237362	1128.96
516-915-26†	35	AS-1		208988	997.92
516-916-26†	35	AS-2		210572	845.88
516-917-26†	28	00	.02005 .0201 – .0209 .021 – .029 .01 – .09	210573	1503.60
516-918-26†	28	0		210575	1491.84
516-919-26†	28	AS-1		210576	1280.16
516-920-26†	28	AS-2		210577	1098.72
516-930-26†	9	0	.0625", .100", .125", .200", .250", .300", .500", 1", 2"	516-930-26*	420.00

*†No returns allowed on all Gage Block Sets *Manufacturer part number listed*

Mitutoyo Rectangular Steel Gage Block Set

516-402-26†

Mitutoyo Square Steel Gage Block Set

516-902-26†

Mitutoyo Micrometer Inspection Gage Block

516-930-26†

Online
www.ACTEquipment.com

Surrey
Phone: (604) 294-6271
Toll Free: 1 (800) 667-1504

Edmonton
Phone: (780) 462-1777
Toll Free: 1 (800) 661-5979

Linear Scales - Economy

Mitutoyo

- Employs ABSOLUTE® electromagnetic induction system to achieve IP67 environmental resistance.
- Detects and outputs an absolute position - no reference point setup needed at every power-on.
- An abnormal calculation doesn't accumulate even if the calculation mistake is generated by the influence of an electric noise.
- It is the most suitable scale to mount on the X-axis of a small lathe. 2 mounting directions of the scale main unit allows easy to mount on a machining tool with the difficult mounting position.

Model No.	EFF Range	Cable	A.C.T. No.	Special Price $
539-804	0-10in 0-250mm	11.48ft 3.5m	194119	314.16
539-805	0-12in 0-300mm	11.48ft 3.5m	184151	314.16
539-806	0-14in 0-350mm	11.48ft 3.5m	193574	317.52
539-807	0-16in 0-400mm	11.48ft 3.5m	183638	321.72
539-808	0-18in 0-450mm	11.48ft 3.5m	187084	327.60
539-809	0-20in 0-500mm	11.48ft 3.5m	184148	330.96
539-811	0-24in 0-600mm	11.48ft 3.5m	192148	336.84
539-814	0-30in 0-750mm	11.48ft 3.5m	185033	348.60
539-815R	0-32in 0-800mm	11.48ft 3.5m	334774	351.12
539-816	0-36in 0-900mm	11.48ft 3.5m	334775	383.04
539-817	0-40in 0-1000mm	16.4ft 5m	187083	398.16
539-819	0-48in 0-1200mm	16.4ft 5m	193790	506.52
539-825R	0-72in 0-1800mm	16.4ft 5m	334785	924.00

Quill Kit

Mitutoyo

- Easy to read LCD with resolution of .0005"/0.01mm
- Push button controls for inch/mm, Zero-Set and On/Off
- Powered by a single SR-44 Battery which lasts about 1 year with normal use
- SPC Output for data transmission to Data Processors or a Remote Display

Model No.	Description	A.C.T. No.	Special Price $
053906B	Digimatic Quill Kit complete with brackets & scale for Bridgeport Type machines	239310	325.92

KA Counter

Mitutoyo

Standard Accessories

- Power cable
- Ground lead
- Dust cover
- Alternate button labels for lathe mode
- Connector cap (Dsub-15)
- User's manual
- Warranty card

Model No.	Description	Dimensions	A.C.T. No.	Special Price $
174-183A	2-axis KA-212 Counter	Size (W×D×H) 30×168×70mm	297345	616.56
174-185A	3-axis KA-213 Counter		297346	907.20

**Manufacturer part number listed*

Edge Finder

Mitutoyo

Mitutoyo edge finders are hardened and ground on all surfaces. While quantities last.

Model No.	Shank Dia.	Tip Dia.	A.C.T. No.	Special Price $
050101	3/8" (.375")	.20"	58042	25.20
050102	1/2" (.5")	.20"	58043	24.36

Magnetic Back

Mitutoyo

Magnetic Base With Fine Adjustment For Dial Indicator.

Model No.	Series	Dia.	A.C.T. No.	Special Price $
900928	2	57mm	60073	42.00

Mitutoyo Digital Protractor

Mitutoyo

- Full 360° range (90° x 4).
- Machined aluminum frame.
- Alternate reference (zero).
- Reading hold.
- Simple calibration requiring no special fixtures.
- Display remains upright to view at all angles. (950-317, Pro 360 Model).
- RS232C output. (950-318 Pro 3600 Model).

950-317

Model No.	Range	Resolution	Accuracy	A.C.T. No.	Special Price $
950-317	360° (90°x4)	0.1°	±0.1°Level ±10°, Plumb ±10° ±0.2° Maximum error	256487	306.60
950-318	360° (90°x4)	0.01° (0° to 9.99°) 0.1° (10° to 90°)	±0.05° (0° to 10°) ±0.1° (80° to 90°) ±0.2° (10° to 80°)	256488	507.36

Radius Gage Set

Mitutoyo

The Mitutoyo 186-101 Radius Gage Set includes 15 Pairs of Leaves with a Range of 1/32 to 1/4 by 64ths with a 180 degree arc. The Radius size is stamped on each gage. Both concave and convex radius gages become a pair. With a locking clamp.

Model No.	Range	Type	Details	A.C.T. No.	Special Price $
186-101	1/32-1/4"	Set of 15	180° Arc	35679	40.32

Screw Pitch Gage Set

Mitutoyo

- Thread pitch size is stamped on each gage

Model No.	Range	Type	No. of Leaves	A.C.T. No.	Special Price $
188-111	4-42 TPI	Unified (60°)	30	35701	34.44
188-151	0.4-7 mm TPI	Metric & Unified (60°)	51	35704	64.68

Pocket Steel Rule - Series 950

Mitutoyo

Model No.	Size	Graduations		Width	A.C.T. No.	Special Price $
950-300	6" x 150mm	1mm	1/64	1/2"	64411	10.92

Steel Rules - Series 182

Mitutoyo

Satin chrome finish and stainless tempered. Engraved on front side only. Backside has Inch/Metric equivalents. While quantities last.

Model No.	Size	Graduations				Width	A.C.T. No.	Special Price $
182-101	6" (4R)	1/8	1/16	1/32	1/64	3/4"	35583	15.12
182-105	6" x 150mm	1/32	1/64	1mm	2mm	3/4"	35587	15.12
182-108	6" x 150mm	1/10	1/50	1mm	0.5mm	3/4"	35590	22.68
182-121	12" (4R)	1/8	1/16	1/32	1/64	1"	35592	32.76
182-122	12" (16R)	1/32	1/64	1/50	1/100th	1"	35593	33.60
182-201	6" (4R)	1/8	1/16	1/32	1/64	1/2"	35611	15.12
182-203	6" (5R)	1/32	1/64	1/10	1/100	1/2"	35613	15.12
182-205	6" x 150mm	1/32	1/64	1mm	2mm	1/2"	35615	15.12

Bench Top Laser Micrometer

Mitutoyo

- Integrated display and measuring unit into one unit
- Ideal for bench-top measurement in an inspection room
- Statistical calculation mode
- RS-232C interface, I/0 interface, and SPC output interface are provided as standard

Model No.	Range	Resolution	A.C.T. No.	Special Price $
544-116-1A	.020" - 2.36"/0.5mm - 60mm	.000002" - .005"/0.00005 - 0.1mm	544-116-1A*	10715.06

**Manufacturer part number listed*

Combination Square Sets

INSIZE

Combination Square sets are available in a large variety of styles and sizes.

Model No.	Set Type	Length	Blade Graduation	A.C.T. No.	Special Price $
283344	Inch	12"	1/8" and 1/16" on one side. 1/32" and 1/64" on reverse side	270364	208.56

**Hardened Cast Iron Center Head*

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Toll Free: 1 (800) 667-1504
Edmonton
Phone: (780) 462-1777
Toll Free: 1 (800) 661-5979

Digimatic Height Gages

Mitutoyo

- Absolute linear encoder eliminates the necessity of setting the reference point at every power on.
- Rigid column structure ensures high measuring accuracy.
- Large smooth slider feed wheel for easy slider adjustments.
- Carbide-tipped scriber is provided.
- With SPC data output

Model No.	Description	A.C.T. No.	Special Price $
570-312	12"/300mm X .0005"/0.01mm	187920	667.80
570-313	18"/450mm X .0005"/0.01mm	189974	936.60
570-314	24"/600mm X .0005"/0.01mm	189975	1199.52

Digital Height Gage - High Precision

Mitutoyo

SERIES 518 — High Precision ABSOLUTE Digital Height Gage

- Newly developed high accuracy and high resolution ABSOLUTE linear encoder for position detection.
- Easy reference icon keys.
- Possible to measure inside/outside diameter via unique process (detect the circle apex and process by tracing measurement).
- Various types of optional probes are available.

SPC

Model No.	Range	Resolution	A.C.T. No.	Special Price $
64PKA094A	0-14" (350 mm)	.00005" (0.001 mm)	190208	3315.38
518-223	0-24" (600 mm)	.00005" (0.001 mm)	518-223*	4183.00

**Manufacturer part number listed*

Dial Height Gage

Mitutoyo

- Easy and error-free reading with both up and down digital counters as well as a dial.
- Provided with a feed wheel for easy coarse feeding.
- Carbide-tipped scriber is provided.
- The counters and dial can be re-zeroed at any scriber position.

Model No.	Description	A.C.T. No.	Special Price $
192-150	12" w/ .001" graduation	217661	1078.56
192-151	18" w/ .001" graduation	162821	1491.84
192-152	24" w/ .001" graduation	188446	1935.36

Linear Height LH-600EG

Mitutoyo

- True 2-D measurement
- Basic statistical functions are provided
- RS-232C / USB data output provides the option of evaluating measurement data externally with SPC software on a PC

518-352A-21 equipped with Power Grip!

SPC

Model No.	Range	Resolution	Accuracy	A.C.T. No.	Special Price $
518-352A-21	0-38" (24"), 0-972mm (600mm)	000001"/.00001"/ .0001"/.001"/0.00 01mm	(1.1+0.6L/600) µm	280208	10775.22

Digimatic Height Gages (Standard Type)

Mitutoyo

Now with two resolutions and two value preset memory and increased character height for easier viewing.

Functions:

- Zero/ABS setting (ABS and INC modes)
- 2 Value Preset Memory
- Data hold
- ± Counting
- Inch/mm conversion

SPC

Model No.	Range	Resolution	Accuracy	A.C.T. No.	Special Price $
192-630-10	0-12"/0-300mm	.0005"/0.01mm or .0002"/0.005mm	±.001"	132139	1375.92
192-631-10	0-18"/0-450mm		±.002"	127197	2237.76
192-632-10	0-24"/0-600mm		±.002"	166092	2399.04

M3 Stylii Kit for LH600EG

Mitutoyo

Includes steel styli: (Ø x L (mm)): 12.7x33, 4x31, 3x21, 2x21, 1x21, S-receiver, pin spanner, 10mm & 20mm steel extensions

Model No.	Description	A.C.T. No.	Special Price $
K650986	Styli Kit M3	280209	599.72

Bench Center

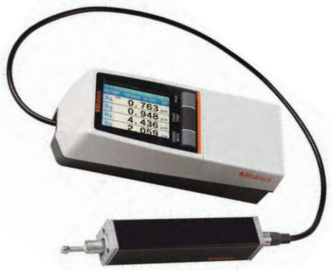
Mitutoyo

Used with a dial test indicator (optional), the Bench Center provides precision measurement of concentricity verification on cylindrical workpieces.

Model No.	Center to Center	Capacity Diameter	Max. Weight	A.C.T. No.	Special Price $
967-201-10	11.8"	5.8"	35 lbs	187885	1539.72

Surftest SJ-210

Mitutoyo

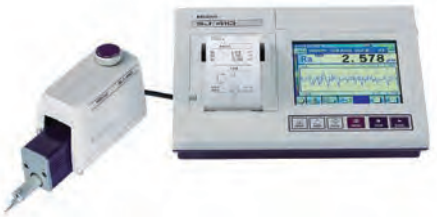


- Small, lightweight, and very easy to use.
- Large 2.4 inch color graphic LCD screen with backlighting allows for viewing of surface roughness waveforms with ease even in poorly light environments.
- The units allow for storage of up to 10 measurement conditions and 1 profile with an optional memory card to increase storage capacity.
- USB, RS-232C, and SPC interfaces allow for a wide range of output options.
- A wide range of optional accessories are available.

Model No.	Detectors	Measuring Force	A.C.T. No.	Special Price $
178-561-12A	Skidded	4mN	164965	2695.00

Mitutoyo Surftest SJ-411

Mitutoyo



- Features both skidded and skidless measurement.
- The R(radius)-surface compensation features allow for cylinder surface roughness to be evaluated as if taken from a flat surface.
- A large, built in touch-panel LCD monitor shows evaluation results and measured profiles so that results can be assessed prior to printout.
- Advanced data processing and analysis capabilities via off-line analysis using the SD card with optional FORMTRACEPAK and SJ-Tools. This allows for easy data analysis report creation.
- A high quality thermal printer built in comes standard. This printer is capable of printing both calculated results and profiles as well as BAC or ADC curves identically to how they are displayed on the LCD screen. RS-232C, USB and SPC output also allows for data to be transferred to software such as Excel for generation of inspection reports and certificates.

Model No.	Detectors	Measuring Force	A.C.T. No.	Special Price $
178-581-02A	Skidded or Skidless	4mN	274984	9153.72

HR-430M4 Digital Rockwell Hardness Tester - Auto Loading

Mitutoyo

- The new frame design allows the full 7.1" of specimen capacity without the need to cut a whole in the table.
- Automatic brake and automatic start function that prevents overloading and begins test cycle. The HR430 model also includes the dial a weight system for easier load selection.
- Complete with Flat and VEE anvils, diamond and 1/6" carbide ball indenters, 2 HRC and 1 HRBW Rockwell blocks (MR models)s or 3 Rockwell blocks.

Model No.	Test Scales	Display	A.C.T. No.	Special Price $
963-240-10A	Rockwell	Matrix Backlight LCD	963-240-10A*	10575.00

**Manufacturer part number listed*

HR-210MR Digital Rockwell Hardness Tester

Mitutoyo

- Motorized application of the total (Major) test force improves accuracy and repeatability and eliminates the problems of an oil dashpot controlled system.
- Analog Dial Gage
- Features an automatic preset function on the indicator to set the initial (Minor) test force to zero.

Model No.	Test Scales	Display	A.C.T. No.	Special Price $
963-220-10A	Rockwell	Analog Dial Gage	263094	7167.50

Hardmatic Hardness Testing Unit

Mitutoyo

HH-411 is a rebound type portable hardness tester for metal with a compact body and high operability. It allows anyone to perform hardness testing easily at the touch of a key, so it can be used widely on various components in the field.

With SPC Output

SPC

Model No.	Range	Indentation	Output	A.C.T. No.	Special Price $
810-298-10	L-Value (ASTM A956)	Any Direction	RS-232C, SPC	241898	5851.50

FOR Mitutoyo GRANITE SURFACE PLATES & STEEL STANDS, SEE NEXT PAGE

Black Granite Surface Plates & Steel Stands - Series 517

Mitutoyo

FEATURES

- Natural granite seasoned for thousands of years is free from deterioration or dimensional change over time.
- Granite surface plate has many advantages over cast iron surface plates: Twice as hard as cast iron.
- Minimal changes in dimension due to temperature changes.
- Free from wringing, so there is no interruption of work. Free from burrs or protrusions because of the fine grain structure and insignificant stickiness; this ensures high degree of flatness over a long service life and causes no damage to other parts or instruments.
- Trouble-free operation for use with magnetic materials.
- Long life and rust-free, resulting in low maintenance costs.

Model No.		Size	H	Accuracy	Weight	A.C.T. No.	Special Price $
517-803	Granite Surface Plate	12x18"	4"	±100	100 lbs	109629	270.48
517-804		18x18"	4"	±100	150 lbs	123927	Contact your nearest ACT Branch for Special Pricing
517-805		18x24"	4"	±130	200 lbs	166780	528.36
517-806		24x24"	4"	±140	259 lbs	517-806*	Contact your nearest ACT Branch for Special Pricing

Model No.		Size	A.C.T. No.	Special Price $
517-950	Steel Stand	12x18"	328840	1027.42
517-951		18x18"	228530	1050.92
517-952		18x24"	114574	1130.82
517-954		24x24"	84383	1286.86

Note: *MITUTOYO Granite Surface Plates meet or exceed Federal Specification GGG-P-463c. Each Surface Plate is shipped with a Certificate of Accuracy which guarantees its accuracy and verifies its traceability to the National Institute of Standards and Technology. *Manufacturer part number listed*

Hardmatic Durometer

Mitutoyo

These compact digital/dial durometers in the Shore A scale can test a range of different materials and offer you the following benefits:

- You can use them for testing the hardness of the materials including soft rubber, elastomers, natural rubber, casting resin, neoprene, polyesters, soft PVC, leather, etc.

Model No.	Scale	Tip Angle	A.C.T. No.	Special Price $
811-335-10	Shore A	35°±0.25°	811-335-10*	718.16

**Manufacturer part number listed*

Mitutoyo Toolmaker's Microscope

Mitutoyo

- The TM-505D/510D is a compact microscope well suited for measuring dimensions and angles of machined metals. It can also be used to check the shape of screws and gears by attaching an optional reticle. Its compact body makes it ideal for use on shop-floors with limited space!
- The eyepiece section of the optical tube incorporates a vernier protractor. Angle measurement is performed easily by turning the protractor to align the cross-hair reticle with the workpiece image.
- Complete selection of interchangeable reticles are available.
- Both the transmitted and reflected illumination intensity can be adjusted to obtain the optimal illumination intensity for the workpiece.
- Two XY stages with different travel ranges, 2" x 2" (50mm x 50mm) and 4" x 2" (100mm x 50mm), are available.

176-820A

64AAB214

Model No.	Description	A.C.T. No.	Special Price $
176-820A	TM-505 With Mic Heads, 2 X 2" Stage	176-820A*	6700.32
176-821A	TM-510 With Mic Heads, 4 X 2" Stage	176-821A*	8737.30
64AAB214	LED Variable Ring Light	64AAB214*	389.16

**Manufacturer part number listed*

Mitutoyo Bore Micrometers For highly accurate measurements of internal diameters

Mitutoyo

468-977

468-978

IP65

- Self-centering, 3 point internal micrometers (2 point for models under .28")
- TiN-coated measuring contact points. (over 6mm/.275" range models)
- Measurement can be taken closer to the bottom of the blind bore.
- Can measure deep holes using extension rods. (optional)
- With Ratchet Stop for constant force.
- Supplied in fitted plastic case up to 100mm / 4".
- Over 100mm / 4" supplied in wooden case.

Mechanical Holtests – Complete Unit Sets

Model No.	Description	A.C.T. No.	Special Price $
368-916	Holtest, Set, 0.275"-0.5"*	277899	2339.40
368-917	Holtest, Set, 0.5" - 0.8"*	193767	1576.68
368-918	Holtest, Set, 0.8" - 2.0"*	238024	3609.48

Digimatic Holtests – Interchangeable Head Sets

Model No.	Description	A.C.T. No.	Special Price $
468-976	Digimatic Holtest Head Set, 0.275"-0.5"*	251851	2148.72
468-977	Digimatic Holtest, Head Set, 0.5"- 0.8"*	207823	1746.36
468-978	Digimatic Holtest, Head Set, 0.8" - 2"*	207820	4179.84

Profile Projector Packages

Mitutoyo

PACKAGES

Model No.	Description	A.C.T. No.	Special Price $
M172868-1	PH-3515F KA Counter PKG # 1	M172868-1 *	14500.00
M172868-2	PH-3515F QM-DATA PKG # 2	282806	16875.00
M172868-3	PH-3515F QM-DATA/OPT200 PKG # 3	M172868-3 *	19500.00

* Manufacturer's Part # Listed

Model No.	Description	A.C.T. No.	Special Price $
M172810-4	PH-A14 KA Counter PKG # 4	323685	10268.00
M172810-5	PH-A14 QM-Data PKG # 5	254497	12687.00
M172810-6	PH-A14 QM-Data w/OPT200 PKG # 6	M172810-6 *	14197.00

* Manufacturer's Part # Listed

KA-200 DISPLAY COUNTER

- Simple to use 2 axis counter
- Inch/mm switchable
- Zero Set/Preset functions

QM DATA PROCESSOR

- Graphic display screen
- Programmable
- Full 2D coordinate measurement capability

OPTOEYE-200 EDGE SENSOR

- Eliminates visual alignment errors
- Ensures fast, accurate and consistent measurements

* WITH TOUCH SCREEN

PROFILE PROJECTOR PH-A14

M2 D2 PROCESSOR AND RETROFIT PACKAGES

Non-Edge Detection Unit, M2 Software/Hardware, Mounting Kit ASUSPRO A4110-XS02, All-In-One PC, PH-A14

Model No. 64PKA154
A.C.T. No. 64PKA154*

SPECIAL PRICE $13,505.00

Retrofit Packages Non-Edge Detection Unit, M2 Software/Hardware, Mounting Kit ASUSPRO A4110-XS02, All-In-One PC, PH-A14

Model No. 64PKA156
A.C.T. No. 327687

SPECIAL PRICE $5,179.00

Optical Edge Detection Unit, M2 Software/Hardware, Mounting Kit Mounting Kit ASUSPRO A4110-XS02, All-In-One PC, PH-A14

Model No. 64PKA155
A.C.T. No. 64PKA155*

SPECIAL PRICE $15,273.00

Retrofit Packages Optical Edge Detection Unit, M2 Software/Hardware, Mounting Kit ASUSPRO A4110-XS02, All-In-One PC, PH-A14

Model No. 64PKA157
A.C.T. No. 64PKA157*

SPECIAL PRICE $6,958.00

* Manufacturer's Part # Listed

Online
www.ACTEquipment.com
Surrey
Phone: (604) 294-6271
Toll Free: 1 (800) 667-1504
Edmonton
Phone: (780) 462-1777
Toll Free: 1 (800) 661-5979

Dial Indicator

PROCHECK

Indicator & Stand
$39.00
Codes: 334370 & 146723

HOT PRICE!

- Conforms to AGD 2 standards
- Stainless steel components
- Rotating bezel with clamp
- Lug back (1/4" hole)
- Revolution counter
- Stem Diameter: 3/8"
- Dial Diameter: 2.1/4"

Model No.	Travel	Dial Reading	Graduation	A.C.T. No.	Special Price $
NB70NDI	1"	0-100	.001"	334370	18.50

Magnetic Base

A.C.T.

- Standard type magnetic base for use with Dial Indicators
- The On/Off switch offers instant mounting and dismounting
- Precision ground magnetic base with V for mounting on flat and cylindrical surfaces

Model No.	Holding Power	Base L	Base W	Base H	A.C.T. No.	Special Price $
ECE-302B	80 kg	60	50	55	146723	24.20

Dial Indicator Magnetic Back

STM

- For AGD2 series

Model No.	A.C.T. No.	Special Price $
200-722	252323	17.93

Select-A-Point Kit

STM

- The most useful accessory kit for all dial indicators
- Set of 22 different points, increasing the versatility of your indicators
- Fits all AGD 1, 2, 3, 4 drop style indicators, 4-48 threads

Model No.	Description	A.C.T. No.	Special Price $
200-820	Select-A-Point Kit	133423	14.72

Digital Calipers Extra Large LCD

TUFF GRADE

6" or 8" Imperial/Metric Digital calipers with extra large .515" high LCD screen.

Model No.	Range	A.C.T. No.	Special Price $
IDI21150S	0-6"	212012	28.50
IDI21200S	0-8"	212013	45.60

Electronic Calipers

INSIZE

NIST CERTIFICATION

- Resolution: 0.0005"/0.01mm
- Battery CR2032
- Supplied in fitted storage case

Item may not be exactly as shown

Model No.	Range	A.C.T. No.	Special Price $
817000	0-6/0-150	275136	68.42
817001	0-8/0-200	278553	94.44
817002	0-12/0-300	285532	165.74

Coolant Proof

INSIZE

- Accuracy: ±0.0012"
- Button: zero, on/off, inch/mm, ABS/REL, hold
- Stainless steel

Item may not be exactly as shown

Model No.	Range	A.C.T. No.	Special Price $
816018	0-6/0-150	309372	176.53
280014	0-8/0-200	275086	289.79
280015	0-12/0-300	278894	336.03

Absolute

INSIZE

- Accuracy: ±0.0008" (except 285129 - ±0.0012"0)
- Buttons: Inch/mm, ABS/REL, on/off, original set
- Auto power off
- Data output (Optional SPC cable)
- Stainless Steel

Item may not be exactly as shown

Model No.	Range	A.C.T. No.	Special Price $
285127	0-6/0-150	319774	101.44
285128	0-8/0-200	319775	140.16
285129	0-12/0-300	319776	202.02

Electronic Depth Calipers

INSIZE

- Resolution: 0.0005"/0.01mm
- Buttons: on/off, zero, inch/mm
- Auto power off - move unit to turn on
- Battery CR2032
- Data output
- Stainless steel construction
- Supplied in fitted storage case
- Optional SPC cable

Model No.	Range (Inch/mm)	Accuracy (Inch)	L Length (Inch)	d (Inch)	A.C.T. No.	Special Price $
280677	0-6/0-150	±0.0012	9.055	3.937	280677*	171.69
280678	0-8/0-200	±0.0012	11.024	3.937	320173	204.28
280679	0-12/0-300	±0.0016	14.961	5.906	256749	400.23

* Manufacturer's Part # Listed

Dial Bore Gage

INSIZE

- Indicator graduation: 0.0005"
- Indicator range: 0.25"
- Stainless steel base
- Supplied in fitted storage case

Model No.	Range (Inch)	Accuracy (Inch)	Reapeatability (Inch)	L (Inch)	A (Inch)	B (Inch)	C (Inch)	ØD (Inch)	E (Inch)	F (Inch)	A.C.T. No.	Special Price $
282930	0.7-1.5	±0.00075	0.00015	5.551	0.480	0.252	0.480	0.252	0.354	0.039	271078	280.25
816188	1.4-2.4	±0.00090	0.00015	5.551	0.866	0.354	1.063	0.512	0.504	0.079	271079	276.82
816192	2-6	±0.00090	0.00015	5.551	1.024	0.354	1.378	0.512	0.504	0.079	247801	292.56
816184	6-10	±0.00090	0.00015	9.488	2.224	0.512	2.933	0.591	0.571	0.079	251377	291.03

Radius Gage Sets

INSIZE

- Each piece has three concave and two convex gaging surfaces
- Medium carbon steel
- 26 Pieces

Model No.	Range	Accuracy	Blade Size	Blade Quantity	Handle	Storage Pouch	A.C.T. No.	Special Price $
816196	0.5mm-13mm	±0.05mm	0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13	26	Included	Included	257066	74.31

Outside Micrometers

INSIZE

Vernier scale outside micrometer sets come with multiple mechanical micrometers of the same style across a span of measuring ranges. These micrometers have the same construction, finish, graduations, and thimble type.

Model No.	Range	Accuracy	Micrometers Included	A.C.T. No.	Special Price $
816594	6-12" (6 pcs)	±0.05mm	816576, 816578, 816580, 816582, 816584, 816586	250487	834.25

1-2-3 & 2-4-6 Blocks

Quality IMPORT

- Matched pairs
- Tapped holes are provided for clamping operations
- Precision ground and hardened on all 6 sides
- Versatile for precision grinding layout work, etc.
- Squareness of all sides is within 0.0001"

Model No.	Size (Inch)	Topped Hole	A.C.T. No.	Special Price $
440415	1-2-3	3/8-16	135617	24.55
460170	2-4-6	5/8-11	172112	199.00

Depth Micrometers

- Graduation: 0.001"
- Micrometer head accuracy: ±0.00012
- Rod accuracy: ±[0.001 + 0.0005(L/3)] (L= measuring range in inch)
- Rods with flat end
- Ratchet stop
- Supplied in fitted storage case

Model No.	Range (Inch)	L (Inch)	Øa (Inch)	Øb (Inch)	c (Inch)	d (Inch)	e (Inch)	A.C.T. No.	Special Price $
281939	0-6	2.598	0.709	0.177	0.669	3.996	0.669	271194	193.77

Telescoping Gage Set

- For quick measurement of inside diameter of holes and width of slots
- Satin chrome finish
- Supplied in storage pouch

Model No.	Range (Inch)	A.C.T. No.	Special Price $
816202	5/16 to 6 (6pcs)	252001	51.20

6 Gages per Set				
Range (Inch)	L (Inch)	Øa (Inch)	Øb (Inch)	Øc (Inch)
5/16 to 1/2	4.528	0.154	0.114	0.244
1/2 to 3/4	4.528	0.209	0.150	0.244
3/4 to 1-1/4	4.528	0.209	0.150	0.244
1-1/4 to 2-1/8	5.394	0.299	0.240	0.283
2-1/8 to 3-1/2	5.394	0.299	0.240	0.283
3-1/2 to 6	5.394	0.299	0.240	0.283

Outside Micrometers

- With Interchangeable Anvils
- Graduations: 0.0001" (up to 12"), 0.001" (over 12")
- Micrometers up to 12" have casting frame, over 12" have pipe frame
- Ratchet stop
- Carbide Tips
- Supplied with setting standards
- Supplied in fitted storage case

Model No.	Range (Inch)	Type	Accuracy (Inch)	L (Inch)	b (Inch)	A.C.T. No.	Special Price $
281182	0-6	A	±0.00024	6.220	3.228	281182*	388.91
281186	6-15	A	±0.00035	12.126	6.496	309571	498.54

* Manufacturer's Part # Listed

A.C.T. INVENTORY MANAGEMENT SYSTEMS
AIMS BY A.C.T.
MODUCRIB

Inventory Management Made Simple

Keep Track Of Your Carbide Tool Mills With The Click Of A Button.

Precision Steel Pin Gages

Heat treated to a hardness of 60-62 Rockwell C Drill Rod. All members 2" long, centerless lapped.

Model No.	Range	No. of Gages	A.C.T. No.	Special Price $
255-145	.011-.060	50	144443	60.70
255-040	.061-.250	190	108246	131.72
255-045	.251-.500	250	108245	260.89
255-150	.501-.625	125	148161	278.58
255-155	.626-.750	125	152165	364.84
255-160	.751-.832	82	180936	350.57
255-165	.833-.916	84	180946	397.42
255-170	.917-1.000	84	180949	469.58

Precision Thin Steel Parallels

- Thin style, 1/8" thick
- Sold in matched pairs
- Made of high grade alloy steel
- Hardened and ground
- 2 holes in each parallel
- Accuracy is ±.0002" parallelism in height and ±.001" to size height

Model No.	W x H x L	Hole Size	A.C.T. No.	Special Price $
230-200	1/8 x 1/2 x 6"	13/64	145433	12.95
230-205	1/8 x 15/8 x 6"	1/4	172276	14.08
230-210	1/8 x 3/4 x 6"	5/16	172277	14.08
230-215	1/8 x 7/8 x 6"	5/16	172278	14.08
230-220	1/8 x 1 x 6"	5/16	158556	13.88
230-225	1/8 x 1.1/8 x 6"	3/8	158557	12.44
230-230	1/8 x 1.1/4 x 6"	3/8	133379	14.08
230-235	1/8 x 1.3/8 x 6"	7/16	158558	14.08
230-240	1/8 x 1.1/2 x 6"	1/2	158559	14.08
230-245	1/8 x 1.5/8 x 6"	1/2	158560	14.08

Precision Parallel Sets

Matched pairs, made of high grade steel alloy. Hardened and ground with a tolerance of ±0.0003".

Model No.	Dimensions per Pair	A.C.T. No.	Special Price $
230-850	3/16x1x6, 3/16x1.1/4x6, 3/16x1.1/2x6, 3/16x1.3/4x6	93695	87.68
230-853	3/16x1x6, 3/16x1.1/4x6, 1/2x1.1/2x6, 1/2x1.3/4x6	93729	82.93
230-855	1/2x1x6, 1/2x1.1/4x6, 1/2x1.1/2x6, 1/2x1.3/4x6	116248	97.97
230-857	1/4x3/4x6, 1/4x7/8x6, 1/4x1x6, 1/4x1.1/8x6, 1/4x1.3/8x6, 1/4x1.5/8x6, 1/4x1.3/4x6	83575	160.69

Wavy Parallel Set

18 piece wavy parallel set, consisting of 9 pairs ranging in height from 1/2 to 1.1/2" in 1/8" increments.

Model No.	A.C.T. No.	Special Price $
230-150	131930	100.29

81pc Rectangular Gage Block Set

- For those who need a competitively priced B grade set
- All blocks are manufactured to the same high standards as our premium sets
- Supplied with a certificate guaranteeing that each block is manufactured to meet or exceed federal spec GGG-G-15C, and is within the grade B tolerance (±.000050)
- Each set is provided in a fitted wooden case

Model No.	No. of Blocks	Blocks Included	A.C.T. No.	Special Price $
200-715	81	.1001-.1009 x .0001" increments, .101-.149 x .001" increments, .050-.950 x .050" increments, 1.000-4.000 x 1.0" increments	98828	401.89

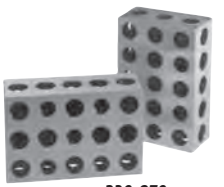
Precision 1-2-3 Blocks

Very useful for mounting precision grinding, layout work, etc. Blocks are hardened to 58-60 RC and ground to a surface finish 6-10 of micro inches.

Model No.	Description	A.C.T. No.	Special Price $
230-876	2 piece set w/wooden case	131931	45.69

1-2-3 & 2-4-6 Blocks

- Heat treated and case hardened to HRC 55-60.
- Precision ground and case hardened.
- Squareness of all sides is within .0001".
- Parallel Accuracy 0.0003".
- Surface finish 6–16 micro inches.
- 23 holes–5 are tapped in 3/8-16.
- Supplied in pairs.



230-870

Model No.	Size	Description	A.C.T. No.	Special Price $
230-870	1-2-3	23 holes	72171	33.60
230-872	2-4-6	23 Holes	112809	271.58
230-874	1-2-3	No Hole	136899	46.91

Online
www.ACTEquipment.com
Surrey
Phone: (604) 294-6271
Toll Free: 1 (800) 667-1504
Edmonton
Phone: (780) 462-1777
Toll Free: 1 (800) 661-5979

Combination Set 434-12-4R

- Reversible lock bolts, scriber, spirit level in both square head and protractor head
- Direct reading double 180º protractor scale
- Hardened steel, machine divided blade

† Forged and Hardened Steel Heads with Smooth Black Enamel Finish

†† Cast Iron Heads with Black Wrinkle Fi

Model No.	Set Type	Length	Grad.	A.C.T. No.	Special Price $
434-12-4R†	Inch	12"	8th, 16ths, Quick Reading 32nds, 64ths	137380	467.71
435-12-4R††	Inch	12"	8th, 16ths, Quick Reading 32nds, 64ths	100540	373.37

Combination Set 9-12-4R

Includes a reversible lock bolt, scriber, spirit level in both square head and protractor head, direct reading double 180º protractor scale, and hardened steel, photo-engraved blade.

Model No.	Set Type	Length	Grad.	A.C.T. No.	Special Price $
9-12-4R	Inch	12"	8th, 16ths, Quick Reading 32nds, 64ths	176344	336.17

Edge Finders 827A & 827B

Edge Finders are for fast, accurate work location. Work surfaces may be located easily, quickly and accurately with these edge finders.

827A

827B

Model No.	Contact Diameter	Body Diameter	A.C.T. No.	Special Price $
827A	0.200"	0.375"	137432	40.53
827B	0.200"	.005"	137431	49.84

Machinists' Improved Levels

These levels feature a ground and graduated main vial and a cross test vial. The cast iron base is precision machined on the reference surface.

Model No.	Length	Description	A.C.T. No.	Special Price $
98-6	6" (150mm)	w/ Cross Test Vial	117355	200.64
98-8	8" (200mm)	w/ Cross Test Vial	104963	247.14
98-12	12" (300mm)	w/ Cross Test Vial	141049	344.14
98Z-12	12" (300mm)	w/ Cross Test Vial	137340	465.05

Automatic Center Punch with Adjustable Stroke

- Adjustable blow and easily removed steel point
- Hardened tool steel working parts with lightweight, knurled aluminum handle

Model No.	Length	Diameter	A.C.T. No.	Special Price $
818	5"	5/8"	137435	56.48

Note: *Fully Aluminum Body*

18 Series Automatic Center Punch

- Rugged automatic punch with all-steel handles and parts
- Adjustable knurled cap regulates the force of the blow
- Easily removable steel point for regrinding or replacement

Model No.	Length	Diameter	A.C.T. No.	Special Price $
18A	5"	9/16"	137438	63.12
18C	5.1/4"	11/16"	177794	77.07

Starrett Tap Wrenches

- Strong and well-proportioned
- Tempered gripping surfaces firmly hold square or round shanks
- Plunger operated by knurled sleeve
- Spring inside sleeve causes plunger to back off when pressure is removed

Model No.	Tap Capacity	Square Shank	Body Length	A.C.T. No.	Special Price $
91B	3/16-1/2"	5/32-9/32"	225mm /9"	137341	111.61
91C	1/4-5/8"	5/32-3/8"	300mm /12"	137342	180.71

T-Handle Tap Wrenches

- Hold taps, drills, reamers and other small tools to be turned by hand.
- Centered body with sliding handle that is frictionally held.
- Designed to hold square shanks.
- Round shanks can be gripped with care.

Model No.	Tap Capacity	Square Shank	Body Length	A.C.T. No.	Special Price $
93C	1/4-1/2"	3/16-5/16"	3.1/2"	137445	75.74

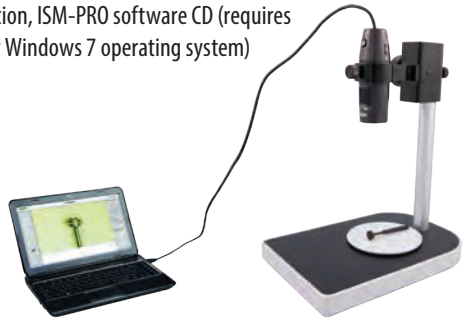
Drive Pin Punches

Starrett drive pin punches are well- proportioned,hardened, properly tempered, nicely finished and have a knurled finger grip. Each punch has the size stamped on the head.

Model No.	Description	A.C.T. No.	Special Price $
S565WB	8 pc Set (565A-565H) in Round Wooden Box	137441	93.01

Digital Microscope

- Records Photos and Video
- Supplied with geometric software for measurement
- Built in Adjustable LED illuminator
- Two step adjustable focus with 10x to 200x magnification
- Image sensor: 1.3 megapixels
- Resolution: 1280 x 1024
- Dimensions: Ø 1.4 x 5"/36 x 128 mm (without stand)
- Power supply: 5V DC from USB port
- Includes stand, two calibration rules – graduations 0.004"/0.1mm and 0.04"/1mm, focus ring supports for 80X/150X and 60X/200X magnification, ISM-PRO software CD (requires Windows XP SP2, Vista or Windows 7 operating system)



Universal stand also available
Model # 285006

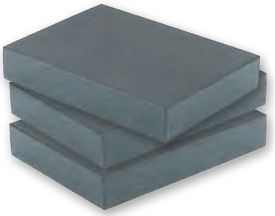
Shown with standard stand.
Laptop not included.
Not shown to scale.

Model No.	A.C.T. No.	Special Price $
285000	254169	607.15

Black Granite Surface Plates 0-Ledge

- Imported Precision Toolroom Black Granite Surface Plates.
- These plates are made of the highest quality – True Black
  – Fine Grained – Non-porous – Jewel Hardness
  – Granite available to give years of long lasting service

Specifications:
Compressive Strength 7329 lbs./ in 2
Water Absorptivity 0.13%



255-105

Grade B-Tool Room- No Ledge

Model No.	Size (in.)	Thickness (in.)	Shipping Weight (lb.)	+/-	A.C.T. No.	Special Price $
255-100	9 X 12	3	40	.0001	104826	89.85
255-105	12 x 18	3	110	.0001	100390	139.64
255-110	18 X 24	4	189	.0005	72182	370.69
255-115	24 X 36	4	475	.0002	90004	680.69
255-120	36 X 48	6	1427	.0004	119668	1846.39
255-125	48 X 72	8	3300	.0007	111101	5381.05

Grade A-Inspection

Model No.	Size (in.)	Thickness (in.)	Shipping Weight (lb.)	+/-	A.C.T. No.	Special Price $
255-130	12 X 18	3	110	.000050	131562	213.85
255-135	18 X 24	3	189	.000075	142294	345.64
255-140	24 X 38	4	475	.0001	134793	750.51

Outside Micometer Set

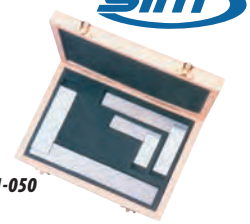
- Ratchet and lock nut
- Complete with standards (2" and up)
- Carbide faces
- Fitted wood case

200-580

Model No.	Range Inches (in x mm)	Gradation Inches (in x mm)	A.C.T. No.	Special Price $
200-580	0-6	.0001	70745	371.37
200-098	0-12"	.0001"	146572	814.84

Engineer's Precision Squares

- Hardened spring steel blades are permanently fixed to the stock by means of tapered self-locking rivets which ensure complete rigidity.
- Both the blade and stock are precisely ground to ensure straightness and parallelism.



231-050

Model No.	Description	A.C.T. No.	Special Price $
231-050	2", 4" and 6" Squares	161197	125.32

Combination Edge & Centre Finders

Edge and Centre Finders are time saving positioning tools that accurately locate work edges, shoulders, grooves, centre points and scribed lines. Used on jig boring, milling machines and more.

231-306

231-308

Model No.	Tip Dia	Shank Dia.	A.C.T. No.	Special Price $
231-306	.200	3/8"	162835	21.03
231-308	.200	1/2"	160150	22.34

Chip Hooks

- For removing chips and clean the chip trays on your machines.
- Black finished steel hooks.
- The Chip Hooks include a plastic protective guard.
- NogaGrip Handle designed for maximum comfort in your hand.

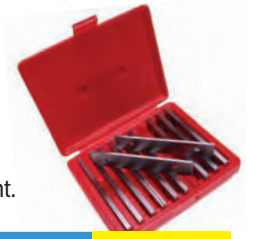
165-488

165-490

Model No.	Length	A.C.T. No.	Special Price $
165-488	400	276857	42.65
165-490	600	260063	48.25

Parallel Set

- All 10 Pairs in Fitted Case
- Thin Styled, Matched Pairs
- Made of high grade alloy steel, hardened and ground from 1/8 stock.
- 2 Holes in each parallel
- Accuracy: .0002 parallelism in height .001 to size in height.



Model No.	Description	A.C.T. No.	Special Price $
TPS11-10PR	1/2 - 1.5/8 x 1/8" Increments	326027	60.94

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Edmonton
Phone: (780) 462-1777
Toll Free: 1 (800) 661-5979

Thread Plug Gages

All gages listed here are precision manufactured in accordance with the requirements and specifications as set forth in applicable ANSI reference standards. Calibration of all inspection masters used by Gage Assembly Company are traceable to the National Institute of Standards & Technology. Calibration Procedures conform to the latest ISO specifications.

Taperlock – Thread Plug Gages

All thread gages are made from the finest oil hardened graphitic tool steel available. Because of the graphitic lubricant qualities in this steel, and high carbon content, it produces superior long wear qualities. All standard thread plugs are supplied in hard chrome at no additional cost. They are heat treated and cold treated for extreme stability and are lapped for extra precision and longer wear.

Other styles, sizes and pitches are also available including metric sizes and special order tools. Please call for details.

Nominal Size	Hard Chrome: Go Class 2B, 3B Special Price $	Hard Chrome: Not-Go Class 2B, 3B Special Price $	Hard Chrome: Complete D.E. Special Price $	Handles No.	Handles Special Price $
1/4 — 28	Contact your nearest ACT Branch for Special Pricing	Contact your nearest ACT Branch for Special Pricing	Contact your nearest ACT Branch for Special Pricing	1	
5/16 — 18				1	
5/16 — 24				1	
3/8 — 16				2	
3/8 — 24				2	
7/16 — 14				2	
7/16 — 20				2	
1/2 — 13				2	
1/2 — 20				2	
9/16 — 12				3	
9/16 — 18				3	
5/8 — 11				3	
5/8 — 18				3	
3/4 — 10				3	
3/4 — 16				3	
7/8 — 9				4	
7/8 — 14				4	
1 — 8				4	
1 — 12				4	
1 — 14				4	

Thread Ring Gages

Superior wear resistance! Thread ring gages are root relieved for longer and more accurate gauging life. A root clearance at the major diameter eliminates any possibility of interference from the full form of the setting plug and major diameter of the part being checked. This gives assurance that flanks of thread are making proper contact (see diagram).

All ring gages are made from the finest oil hardened graphitic tool steel available. Because of the graphitic lubricant qualities in this steel, and high carbon content, it produces superior long wear qualities. They are heat treated and cold treated for extreme stability and are lapped for extra precision and longer wear.

Nominal Size	Gages: Go Class 2A, 3A Special Price $	Gages: Not-Go Class 2A, 3A Special Price $	Gages: Go & Not-Go Set Special Price $	Holder Optional No.	Holder Optional Special Price $
1/4 — 28	Contact your nearest ACT Branch for Special Pricing	Contact your nearest ACT Branch for Special Pricing	Contact your nearest ACT Branch for Special Pricing	2	Contact your nearest ACT Branch for Special Pricing
5/16 — 18				2	
5/16 — 24				2	
3/8 — 16				3	
3/8 — 24				3	
7/16 — 14				3	
7/16 — 20				3	
1/2 — 13				3	
1/2 — 20				3	
9/16 — 12				4	
9/16 — 18				4	
5/8 — 11				4	
5/8 — 18				4	
3/4 — 10				4	
3/4 — 16				4	
7/8 — 9				5	
7/8 — 14				5	
1 — 8				5	
1 — 12				5	
1 — 14				5	

Taper Pipe Thread Gages - NPT

NPT – L1 thread plug gages are supplied with 1 step as a standard. If you require 2-step or 3-step, an additional charge will apply. Hard chrome is also available for an extra charge. Other pipe thread gages are also available, please call for details.

Size	TPI	Guages: NPT Plug Member Only Special Price $	Guages: NPT Plug With Handle Special Price $	Handle Size	Handle Special Price $	NPT RING Special Price $
1/16	27	Contact your nearest ACT Branch for Special Pricing	Contact your nearest ACT Branch for Special Pricing	1	Contact your nearest ACT Branch for Special Pricing	Contact your nearest ACT Branch for S pecial Pricing
1/8	27			2		
1/4	18			3		
3/8	18			3		
1/2	14			4		
3/4	14			4		
1	11.5			5		
1.1/4	11.5			5		
1.1/2	11.5			5		
2	11.5			5		

NPT Thread Ring

NPT Plug with Handle

We've Got Your ASSembly Covered!

ENDO
ENDO KOGYO CO.,LTD.

Panasonic
Torque Control
Assembly Systems

CDI TORQUE PRODUCTS
A SNAP-ON® BRAND

crane

ESTIC

A.C.T. Equipment offers complete solutions to assembly requirements. World leading ergonomic torque controlled tools, torque measurement, torque monitoring, torque auditing, and excellent preventative maintenance programs. From TOP to BOTTOM, we have your ASSembly covered!

Contact your nearest A.C.T. branch!

Die Grinders - High Performance - Straight Type

All grinders supplied with 1/4" collet

ELITE SERIES

- High POWER/WEIGHT ratio
- Body is machined from solid aluminum stock
- Highest quality materials used in manufacturing
- High accuracy collet system for extending the life of carbide burrs
- Variable speed regulator for positive speed control
- Rear exhaust (Front exhaust also available)

Model No.	Free Speed	H.P.	Length	Weight	A.C.T. No.	Special Price $
HDG25-3RS	25,000 RPM	0.3 H.P.	6.1/16"	.85 lbs	117814	140.24
HDG22-6RS	22,000 RPM	0.6 H.P.	7.1/4"	1.25 lbs	117815	173.71
HDG18-9RS	18,000 RPM	0.9 H.P.	7.1/4"	1.5 lbs	117817	197.24

Die Grinders - Straight Type

INDUSTRIAL HEAVY DUTY

- Built-in air regulator for positive speed control
- Powerful .6 H.P. (Exept HDGE40RS .3 H.P.)
- Steel cylinder
- Steel front plate spacer

Model No.	Free Speed	Exhaust Type	Length	Weight	A.C.T. No.	Special Price $
HDGE22-6RS	22,000 RPM	Rear	7.1/4"	1.6 lbs	139741	88.41
HDGE22-6FS	22,000 RPM	Front	6.3/4"	1.6 lbs	139739	87.32
HDGE40RS	40,000 RPM	Rear	6.1/4"	0.8 lb	167044	65.14

Die Grinders - Straight Type

GENERAL DUTY

- Lightweight construction
- Variable speed regulator
- High quality steel motor cylinder
- Rear exhaust (Front exhaust also available)

Model No.	Free Speed	H.P.	Length	Weight	A.C.T. No.	Special Price $
DG25HS	25,000 RPM	0.3.	6"	0.8 lbs	128549	52.75
DG22HS	22,000 RPM	0.45	6.3/4"	1.3 lbs	128548	54.48

Die Grinder

INDUSTRIAL STANDARD DUTY

- 3 Ball bearing construction for extended tool life
- Built-in air regulator for positive speed control
- Insulated Grip
- Supplied with 1/4" collet - 1/8", 3mm and 6mm collets are also available

Model No.	H.P.	Speed	Length	Weight	A.C.T. No.	Special Price $
DG22GS	0.5	22,000 RPM	6.9 in.	1.5 lbs	149972	68.84

Angle Die Grinder

INDUSTRIAL STANDARD DUTY

- 115° angle head die grinder
- 5 Ball bearing construction for extended tool life
- Directional rear exhaust
- Flush grease fitting in gear head
- Insulated grip
- Built-in air regulator for positive speed control
- Supplied with 1/4" collet - 1/8", 3mm and 6mm collets are also available

Model No.	H.P.	Speed	Length	Weight	A.C.T. No.	Special Price $
DGA115	0.5	18,000 RPM	7 in.	1.5 lbs	266529	135.88

Angle Die Grinder

GENERAL DUTY

- Built-in air regulator for positive speed control
- Flush grease fitting in gear head
- High quality steel motor cylinder
- Front Exhaust - DG22AHS
- Rear Exhaust - DG22ARS

Model No.	Free Speed	H.P.	Length	Weight	A.C.T. No.	Special Price $
DG22AHS	22,000 RPM	0.3	5 in.	1.0 lbs	129896	72.92
DG22ARS	22,000 RPM	0.3	6.1/4 in.	1.0 lbs	131888	91.67

Gearless Angle Die Grinder

INDUSTRIAL STANDARD DUTY

- Ideal for grinding, polishing and deburring
- Gearless Mechanism
- Rear exhaust
- 105° angle head die grinder
- 1/8", 3mm and 6mm collets available

NO MORE GEARS

Model No.	Free Speed	H.P.	Length	Weight	A.C.T. No.	Special Price $
DGA105GL	25,000 RPM	0.3	6"	1.1 lbs	314163	86.52

Angle Die Grinder - High Performance

ELITE SERIES

- High POWER/WEIGHT ratio
- Body is machined from solid aluminum stock.
- Highest quality materials used in manufacturing
- Rear exhaust (Front exhaust also available)

Model No.	Free Speed	H.P.	Length	Weight	A.C.T. No.	Special Price $
HDG18A-3RS	18,000 RPM	.3	6.3/16"	1.05 lbs	117813	192.63

Angle Die Grinders

INDUSTRIAL STANDARD DUTY

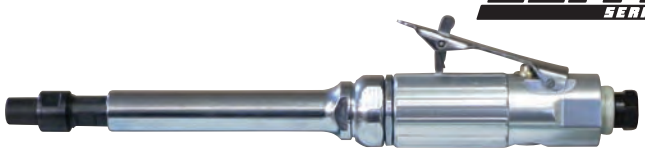
- 5 Ball bearing construction for extended tool life
- Built-in air regulator for positive speed control
- Directional rear exhaust
- Flush grease fitting in gear head
- Insulated grip

Model No.	Free Speed	H.P.	Length	Weight	A.C.T. No.	Special Price $
DG22AGS	22,000 RPM	.3	7.1/8	0.9 lbs	161251	100.63
DG18AGS	18,000 RPM	.5	7"	1.7 lbs	149974	105.88

Extended Die Grinder – High Performan

ELITE SERIES

- Exhaust hose available for quiet operation
- High accuracy collet system for extending the life of carbide burrs
- High power-to-weight ratio
- Supplied with 1/4" Erickson collet - 1/8" Erickson collet also available
- Rear exhaust



Model No.	Free Speed	H.P.	Length	Weight	A.C.T. No.	Special Price $
HDG22-6RX5SEC	22,000 RPM	0.6	13.1/2"	2.2 lbs	244454	282.53
HDG25-3RX5SEC	25,000 RPM	0.3	11.1/4"	1.3 lbs	244348	259.52

Micro Die Grinders

INDUSTRIAL STANDARD DUTY

Compact & lightweight design for general high speed grinding & polishing.

- High-quality steel motor cylinder
- Piped-away exhaust directs air away from work surface, reducing noise by 20-30%
- Precision ball bearing construction for longer tool life
- Variable-speed throttle for positive speed control

Model No.	Collet Size	Free Speed	Hose Size	O.A.L.	NPT	Weight	A.C.T. No.	Special Price $
GP260	1/8	60,000	1/4	5.1/2	1/4	0.68	113144	251.75
GP380	1/8	80,000	1/4	5. 1/2	1/4	0.68	113146	308.70

Extended Die Grinder - Straight Type

INDUSTRIAL HEAVY DUTY

- 5 Ball bearing construction for extended tool life
- Built-in air regulator for positive speed control
- Die cast housing with contoured grip
- Exhaust hose available for quiet operation
- Rear exhaust

Model No.	Free Speed	H.P.	Length	Weight	A.C.T. No.	Special Price $
DG22EMS	22,000 RPM	0.9	14.1/2"	2.5 lbs	163738	142.46

Micro Die Grinders

INDUSTRIAL HEAVY DUTY

Compact & lightweight design for general high-speed grinding & polishing.

- High-quality steel motor cylinder
- Piped-away exhaust directs air away from work surface, reducing noise by 20-30%
- Precision ball bearing construction for longer tool life
- Variable-speed throttle for positive speed control
- **25% More Power!**

NEW!

Model No.	Collet Size	Free Speed	Hose Size	O.A.L.	NPT	Weight	A.C.T. No.	Special Price $
MG60	1/8	60,000	1/4	5.5	1/4	0.35	336512	100.17

Extended Die Grinder

ELITE SERIES

Heavy duty extended horizontal grinder designed for use with plug wheel or abrasive mounted points.

- Great for overhead work or confined areas
- High power-to-weight ratio
- Supplied with plug wheel adapter
- Compact and sturdy steel housing

Model No.	Mount	H.P.	Free Speed	Hose Size	Length	Weight	A.C.T. No.	Special Price $
GH20P	3/8-24	1.0	20,000 RPM	3/8"	22.75"	6.40 lbs	330034	477.60
GH20C	1/4 shank	1.0	20,000 RPM	3/8"	24.25"	6.50 lbs	320674	477.60

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Edmonton
Phone: (780) 462-1777
Toll Free: 1 (800) 661-5979

7" Governed Angle Grinder

ELITE SERIES

- 2 H.P.
- Heavy duty alloy steel D.C. backing pad assembly
- Excellent power-to-weight ratio
- Non-friction governor system allows constant grinding performance
- Integral throttle lock
- Anti-vibration dead handle lowers fatigue

Model No.	Wheel Size	Free Speed	Spindle Thread	Length	Weight	A.C.T. No.	Special Price $
SG776A	7"	7,600 RPM	5/8"-11	11.13/16	6.4 lbs	103549	623.68

Composite Orbital Palm Sanders

ELITE SERIES

- Air motor suspended by rubber rings to reduce vibration
- Built-in air regulator for positive speed control
- Compact and lightweight design with contoured comfort grip reduces operator fatigue
- Hardened steel alloy cylinder for longer life and less maintenance
- Double row balancer angular ball bearings prevent build-up from sanding residue and provide longer life with less maintenance
- High-precision composite rotor is more powerful and provides better lubricating qualities for longer blade life

PSA models shown, velcro options available

Model No.	Size	RPM	Length	Weight	A.C.T. No.	Special Price $
SE5	5"	10, 000	5.75"	1.70 lbs	261968	204.67
SE6	6"	10, 000	6.25"	1.75 lbs	261969	204.67

Composite Orbital Palm Sander PSA Pad Non-Vacuum

INDUSTRIAL STANDARD DUTY

- Good for general industrial and automotive applications
- Built-in air regulator for positive speed control
- Compact and lightweight design with contoured comfort grip reduces operator fatigue
- Double-row angular contact ball bearings provide longer tool life and require less maintenance
- Supplied with a premium balanced polyurethane non-vacuum-type backing pad

S0550P

S0650P

Model No.	Length	Weight	A.C.T. No.	Special Price $
S0550P	5.5"	1.5 lbs	284362	141.54
S0650P	6"	1.55 lbs	284363	141.54

4", 4.5" & 5" Angle Grinder/Sander

INDUSTRIAL HEAVY DUTY

- 1.2 H.P.
- Comfort grip
- Designed to handle a variety of applications from fine deburring to heavy grinding
- Maximum cutting depth at 45°: 1.65" (42MM)*
- Rugged, lightweight aluminum housing to help reduce operator fatigue

Model No.	Wheel Size	Free Speed	Spindle Thread	Length	Weight	A.C.T. No.	Special Price $
G412A	4"	11,000 RPM	3/8"-24	9"	4 lbs	79468	196.40
G4558A	4.5"	11,000 RPM	5/8"-11	9"	4 lbs	273897	209.45
G558A*	5"	11,000 RPM	5/8"-11	9"	4 lbs	276319	209.45

Belt Sander - 3/4" x 18" Belt Size

ELITE SERIES

Ideal for industrial and automotive deburring, sanding and finishing applications.

- Uses 3/4" x 18" (19mm x 457mm) belts
- Compact and lightweight design
- 360° swing-position grip adjusts to any required angle for operator comfort and control
- Rear exhaust with silencer for quiet operation
- Easy belt and contact change - No Tools Required
- Kit Available (A.C.T. Order No. 247400)

Model No.	Free Speed	Max. Length	Weight	A.C.T. No.	Special Price $
MB7518	18,000 RPM	15.4"	2.9 lbs	249354	368.02

4.5" & 5" Governed Angle Grinders

ELITE SERIES

- 1.5 H.P.
- Integral throttle lock vibration dead handle
- Excellent power-to-weight ratio
- Non friction governor system allows constant grinding performance

Available with Roll Type Throttle

Model No.	Wheel Size	Free Speed	Spindle Thread	Length	Weight	A.C.T. No.	Special Price $
SG4558A	4.5"	12,000 RPM	5/8"-11	9.11/16"	2.9 lbs	276322	459.47
SG558A	5"	12,000 RPM	5/8"-11	9.11/16"	3.1 lbs	276323	459.47

Blind Riveter

ELITE SERIES

	BR250HD	BR316B	BR316
Max. Rivet Capacity:	1/4"	3/16"	3/16"
Pulling Capacity:	3,800 lbs	2,300 lbs	2,000 lbs
Setting Capacity:	1/8" 5/32" 3/16" 1/4"	1/8" 5/32" 3/16"	3/32" 1/8" 5/32" 3/16"

BR250HD

Features:

- High quality steel motor cylinder
- Top fill design allows the hydraulic cyclinder to be refilled without disassembly
- Forged aluminum alloy hydraulic section with wear resistant cylinder surfaces
- Heavy duty jaws for setting MONOBOLT, CHERRY, T-RIVET, MAGNA-LOK and any 3/16" or 1/4" industrial rivets (BR250HD) *BR316 is Standard Duty

Model No.	Length	Weight	A.C.T. No.	Special Price $
BR250HD	13.3/4"	5.3 lbs	101139	549.20
BR316B	11.3/8"	4.0 lbs	101136	298.80
BR316	10.1/2"	3.3 lbs	81881	164.93

Vacuum & Blow Gun Kit

ELITE SERIES

- The WONDER GUN is a two-in-one air-powered cleaning gun.
- Kit includes: Dust collecting bag, 1.1/4" x 48" Air hose, Throttle assembly & 4 Nozzles

Model No.	A.C.T. No.	Special Price $
T900K	85455	40.05

Blow Guns Tepcon Co-Polymer Body

INDUSTRIAL STANDARD DUTY

Model No.	Length	A.C.T. No.	Special Price $
BG2504ST	4" w/ safety tip	246529	11.16
BG2504	4"	126217	9.56
BG25013	13" w/ safety tip	126220	13.16
BG250L20	20" w/ safety tip	168679	17.18
CN250BPN	Bypass Nozzle	98832*	2.59

Bypass Nozzle can be used with BG2504

Pullsetter - River Nut Setter

ELITE SERIES

The Acu-Pull pullsetter tool provides a quick and easy way to install a threaded rivet nut in applications where a strong thread is required. Will work with most threaded rivet nut manufacturers.

- "Quick-Change" nose-piece assembly allows you to change the nose-piece size in less than 30 seconds.
- Air motor stalls out upon reaching torque
- Torque adjusted by air pressure
- Nose-piece assembly sold separately

Model No.	Capacity	Style	Free Speed	Length	Weight	A.C.T. No.	Special Price $
PS400	5/16 - 3/8 (M8 - M10)	Pistol	400	8.1/8	2.75	136256	484.27
PS600	#10 - 5/16 (M5 - M8)	Pistol	600	8.1/8	2.75	136340	486.06
PS1500	#4 - 1/4 (M3 - M6)	Pistol	1,500	7.5/8	2.75	138404	434.06

Blow Gun - Zinc Alloy Body

INDUSTRIAL STANDARD DUTY

General purpose blow gun offers an easy-to-use design with a durable chrome plated zinc alloy body. Complete with tapered nozzle & safety bypass tip.

Comes with tapered and bypass nozzle

Model No.	Length	A.C.T. No.	Special Price $
BG250S	4"	81879	6.60

Nose-Piece Assembly for PS Series Pullsetters

Model No.	Draw Bolt Size	A.C.T. No.	Special Price $	Model No.	Draw Bolt Size	A.C.T. No.	Special Price $
NPA-#4	#4	205376	87.12	NPA-3/8	3/8-16	136353	89.60
NPA-#6	#6	140401	87.12	NPA-3/8-24	3/8-24	312975	89.60
NPA-#8	#8	136348	87.12	NPA-3MM	3mm	193364	87.12
NPA-#10-24	#10-24	136350	87.12	NPA-4MM	4mm	136358	87.12
NPA-#10-32	#10-32	254121	87.12	NPA-5MM	5mm	136360	87.12
NPA-1/4-20	1/4-20	136351	87.12	NPA-6MM	6mm	140868	87.12
NPA-1/4-28	1/4-28	283363	87.12	NPA-8MM	8mm	136359	87.12
NPA-5/16	5/16-18	136352	87.12	NPA-10MM	10mm	132769	89.60
NPA-5/16-24	5/16-24	312974	87.12				

Composite Reversible Screwdrivers External Adjustable Cushion Clutch

ELITE SERIES

- High-power, lightweight
- External adjustable clutch
- Wide range of torque
- Patented low-vibration clutch
- Advanced lightweight composite housing
- 1/4" Quick Change Chuck
- Ergonomic thermoplastic elastomer soft-grip

Model No.	RPM	Torque Range	Weight	A.C.T. No.	Special Price $
SD216COM	1,600	5-35 in-lbs	1.32 lbs	224394	299.88
SD2750COM	750	4-60 in-lbs	1.32 lbs	224396	299.88
SD317COM	1,700	20-58 in-lbs	1.95 lbs	208206	299.88
SD3750COM	750	19-98 in-lbs	1.95 lbs	214598	302.64

3/8" Reversible Drill

INDUSTRIAL SUPER DUTY

- Planetary gearing
- Comes with Jacobs Multi-Craft Chuck
- Flush grease fitting in the gear head
- Handle exhaust
- Variable speed trigger
- One hand reverse lever
- Soft grip

Model No.	Free Speed	Max. Length	Weight	A.C.T. No.	Special Price $
D318R	1,800 RPM	6.1/2"	3 lbs	79476	106.02

1/2" Reversible Drill

INDUSTRIAL HEAVY DUTY

- Planetary gearing
- Dead handle to absorb stall torque reaction
- Handle exhaust
- Variable speed trigger
- One hand reverse lever
- Flush grease fitting in the gear head
- Comes with Jacobs Multi-Craft Chuck
- Soft grip

Model No.	Free Speed	Max. Length	Weight	A.C.T. No.	Special Price $
D440R	400 RPM	7"	3.6 lbs	106762	167.65

Direct Drive Screwdrivers

ELITE SERIES

Wespro COM Series air screwdrivers are ergonomically designed and built with the highest quality materials. Ideal for production assembly and maintenance applications. Torque adjusted by air pressure and the air motor stalls out upon reaching torque.

- 1/4" Hex quick-change chuck
- Advanced lightweight composite on aluminum housing
- Conveniently located reverse switch for right or left hand operation
- Direct drive screwdriver
- Ergonomic thermoplastic elastomer soft-grip
- Handle exhaust with built-in silencer for low-noise operation
- High-power, lightweight

Model No.	Chuck Size	Torque	Free Speed	Max. Length	Weight	A.C.T. No.	Special Price $
DDS229COM	1/4 Hex	30	2,900	5.1/4	1.15	227919	200.32
DDS216COM	1/4 Hex	44	1,600	5.1/4	1.15	227916	210.14
DDS317COM	1/4 Hex	61	1,700	6.1/4	1.65	227917	231.08
DDS370COM	1/4 Hex	115	750	6.1/4	1.65	227918	246.36

1/2" Reversible Drill

INDUSTRIAL HEAVY DUTY

Wespro air drills are built with the highest quality materials. Ideal for a wide range of general industrial and maintenance applications.

- Handle exhaust with diffuser
- Variable speed trigger
- Dead handle to absorb stall torque reaction
- Flush grease fitting in the gear head
- Comes with Jacobs Multi-Craft Chuck
- Planetary gearing
- Single-handed reverse lever

Model No.	Free Speed	Max. Length	Weight	A.C.T. No.	Special Price $
D480R	800	7"	3.6	88762	169.34

Ratchet Wrenches

ELITE SERIES

- 360° Directional exhaust sleeve directs exhaust away from the operator and work
- Forged Chrome Moly yoke
- Contour handle
- Improved ratchet head
- Reinforced throttle lever

Model No.	Drive Size	Free Speed	Max. Torque	Length	Weight	A.C.T. No.	Special Price $
AR375CM	3/8"	180 RPM	60 ft. lbs	10.1/4"	2.5 lbs	167136	93.49
AR500CM	1/2"	180 RPM	60 ft. lbs	10.1/4"	2.5 lbs	170851	93.49

1/4" Impact Screwdriver Reversible

ELITE SERIES

- 1/4" Hex Quick-change chuck
- Compact design with high power
- Convenient one-handed reverse lever
- Handle exhaust with silencer for quiet operation
- Twin hammer mechanism
- Variable speed trigger
- Exceptional power - Maximum torque - 160 FT-LBS

Model No.	Chuck Size	Max Torque	Speed	Length	Weight	A.C.T. No.	Special Price $
SD250HDP	1/4"	160 lb	7500 RPM	6.12"	2.3 lbs	242046	248.35

3/8" Dr. Impact Wrench

ELITE SERIES

- Compact design with high power
- Convenient one-handed reverse lever
- Handle exhaust with silencer for quiet operation
- Twin hammer mechanism
- Variable speed trigger
- Exceptional power - Maximum torque - 160 FT-LBS

Model No.	Size	Max Torque	Speed	Length	Weight	A.C.T. No.	Special Price $
W375HDP	3/8"	160 lb	7500 RPM	6.12"	2.3 lbs	326540	236.80

3/4" Dr. Drive Soft Grip Impact

ELITE SERIES

This top-performing impact wrench is designed and built with the highest quality materials and offers exceptional performance. Ideal for heavy industrial, production assembly and automotive applications.

- 3-piece housing for easy servicing
- Built-in power regulator
- Comfort grip handle
- External grease fitting to lubricate impact mechanism
- Handle exhaust
- High power-to-weight ratio
- Twin-hammer mechanism
- Well-balanced, ergonomic design
- Body Jacket sold separately

Model No.	Size	Max Torque	Speed	Length	Weight	A.C.T. No.	Special Price $
W750SD	3/4"	1,400 ft.lbs	5000 RPM	8.75"	10.1 lbs	239925	607.19

Composite Impact Wrenches

ELITE SERIES

- Composite body construction
- Super twin hammer mechanism
- Lightweight
- Power control dial
- External grease fitting to lubricate impact mechanism
- Swivel air inlet
- Handle exhaust

HIGH POWER LIGHT WEIGHT

Model No.	Size	Max. Torque	Weight	A.C.T. No.	Special Price $
W3300COM	3/8"	300 ft. lbs	2.8 lbs	239924	243.14
W5100COM	1/2"	1,000 ft. lbs	4.25 lbs	239922	258.22
W750COM	3/4"	1,400 ft. lbs	7.65 lbs	210851	597.76

1/2" Dr. Impact Wrench with Comfort Grip

INDUSTRIAL HEAVY DUTY

- Twin hammer mechanism
- Steel hammer case
- High power/weight ratio
- Twin regulator on reverse valve
- External grease fitting to lubricate impact mechanism

Model No.	Size	Max. Torque	Weight	A.C.T. No.	Special Price $
W501B	1/2"	550 ft. lbs	5.75 lbs	72449	158.68

1" Dr. Impact Wrench - Straight Type

ELITE SERIES

- Twin hammer mechanism
- Aluminum hammer case
- Excellent for truck, bus and tire applications
- Top exhaust
- Dead hammer
- Inner trigger

Model No.	Size	Max. Torque	Weight	A.C.T. No.	Special Price $
W1000BHD	1"	1,800 ft. lbs	21 lbs	220515	777.68

Online
www.ACTEquipment.com
Surrey
Phone: (604) 294-6271
Toll Free: 1 (800) 667-1504
Edmonton
Phone: (780) 462-1777
Toll Free: 1 (800) 661-5979

Flux Chipper

ELITE SERIES

Model 631B Flux Chipper is mainly used in the removal of weld flux and a wide variety of light chipping applications in fabrication shops, foundries, refineries and construction industries

Model No.	Blows/Min	Bore/Stroke	Weight	A.C.T. No.	Special Price $
631B	4,200	1" X 1.11/32"	3.4 lbs	135082	242.26

Chisels with #11 Shank for 631B Flux Chipper

Point Style	Image	A.C.T. No.	Special Price $
B - Bent flat 3/4"		56886	14.60
F - Straight flat 3/4"		60483	14.60
G - Bent wide flat 1.3/8"		60484	15.16
W - Wide flat 1.3/8"		60485	15.16

Engraving Pen

ELITE SERIES

Will write on all metals - even hardened H.S. steel, ceramics, plastic, glass and stone.

- All metal body
- Very smooth operation
- Less vibration for precise engraving
- Includes 1 medium point carbide tipped stylus

Model No.	Blows/Min	Throttle Type	Weight	A.C.T. No.	Special Price $
ES940	15,000 BPM	Twist	.53 lbs	81693	150.52

Air Hammer with Quick-Change Spring Retainer

INDUSTRIAL SUPER DUTY

- 2,100 Blows/Min - 3/4" X 3.5/8" Bore/Stroke with Comfort Grip.
- Ideal for front-end and heavy duty automotive work as well as light industrial applications.
- Works well for chipping, scraping, punching and cutting.
- Accepts .401" shank chisels.

Model No.	Length	Weight	A.C.T. No.	Special Price $
HD358G	9. 1/2"	4.5 lbs	242881	85.75

Chipping Hammers

ELITE SERIES

- Spline/Ratchet lock
- Teasing throttle provides precise control
- Forged steel handle withstands rugged use
- Heat-treated cylinder and piston for excellent durability

Model No.	Collar	Blows/Min	Length	Weight	A.C.T. No.	Special Price $
622(R)RL	Round	2,400	12.7/8"	13 lbs	64230	399.00
622(H)RL	Hex	2,400	12.7/8"	13 lbs	97800	399.00
623(R)RL	Round	1,920	14.7/8"	14.25 lbs	111535	443.31
623(H)RL	Hex	1,920	14.7/8"	14.25 lbs	97801	443.31

Chisels for 622 & 623 Chipping Hammers

Point Style	Image	Shank Style A.C.T. No.			
		Round	Special Price $	Hex	Special Price $
Flat 7/8"Oval Collar		64925	22.60	60303	19.92

Needle Scaler

ELITE SERIES

- Needle Scaler with 19 x 3mm needles
- Flat tip needles are standard on needle scaler
- Flat tips are also available in stainless steel and (no-spark) beryllium copper

Model No.	Blows/Min	Bore/Stroke	Length	Weight	A.C.T. No.	Special Price $
631NB	4,200	1" X 1.11/32"	16.1/8"	6 lbs	135083	310.60

Mini Needle Scaler

ELITE SERIES

- All steel construction for extended tool life.
- Supplied with set of 12 needles (3mm flat-tipped style)

Model No.	Blows/Min	Bore/Stroke	Length	Weight	A.C.T. No.	Special Price $
NS1832	5,500	0.70" x 1.26"	11.42	2.86	247990	159.77

Needle Scaler Attachment

ELITE SERIES

- Needle Scaler Attachment with 19 3mm Needles

Model No.	Needle DIA.	Needle Style	Compatable with	A.C.T. No.	Special Price $
M669	5,500	0.70" x 1.26"	HD258G, HD358G, AHVD350K	262842	46.37

Air Hammer Kit

ELITE SERIES

- Kit includes: Air hammer, quick-change spring chisel retainer, 5 chisels, air nipple and in-line oiler, complete with fitted plastic carrying case.
- Same specifications as HD358G.

Model No.	Bore & Stroke	Length	Weight	A.C.T. No.	Special Price $
HD358GK	3/4 x 3.5/8	9.1/2	4.5 lbs (Tool Only)	233529	128.15
HD258GK	3/4 x 2.5/8	7.1/2	3.75 lbs (Tool Only)	233527	112.44

Air Motor Oil

WESPRO air motor oil is formulated with today's air tools in mind. It is lightweight and contains special detergents which clean the interior of the air tool while providing excellent lubricity. Emulsifying agents in the oil absorb moisture in the tool and carry it through to the exhaust.

Model No.	Size	A.C.T. No.	Special Price $
AMO-005	1/2 Litre	91176	8.46
AMO-010	1 Litre	91177	12.08
AMO-040	4 Litres	91178	39.02
AMO-200	20 Litres	91179	168.17

Spring Balancers

Eliminates wear or damage to tools from dropping or continuous picking up and laying down. Also helps reduce operator fatigue and increases safety by keeping work area uncluttered.

Model No.	Capacity	Travel	A.C.T. No.	Special Price $
SB600	.66 - 1.76 lbs	50"	128989	34.68
SB1200	1.3 - 3.3 lbs	50"	81936	34.68
SB3000	3.3 - 6.6 lbs	50"	81937	56.73

Extreme Pressure Grease

Extreme pressure grease for air & electric power tool gearing and bearing

Model No.	Size	A.C.T. No.	Special Price $
EP1.5	400 Gram Tube	173793	19.70
EPG2/1.5	2 lb Tub	163533	44.26

Mini Manual Grease Gun

Miniature sized hand grease gun with a special tip to apply grease in flush type fittings on air tool gear heads or bearing sections.

Model No.	Length	A.C.T. No.	Special Price $
GG02	6" (152mm)	55007	15.19

2-Piece F.R.L. Units

These accessories improve air tool performance and increase tool life. F.R.L. units should be mounted as close to the tool as possible and regularly maintained for maximum efficiency. Lubricators have a ten position 0 to 9 dial for precise setting and resetting for various sizes of tools.

Model No.	Air Inlet	Width	Length	A.C.T. No.	Special Price $
BFC 200H	1/4" NPT	140mm	206mm	105813	94.87
BFC 300H	3/8" NPT	140mm	206mm	105812	94.87
CFC 400H	1/2" NPT	176mm	250mm	126095	139.01

"Swivel Mate" Air Hose Swivel Joint Connectors

Swivel Mate swivels 360° at two points, allowing the air hose to drop straight to the floor regardless of how the tool is held.

Model No.	Type	Thread	A.C.T. No.	Special Price $
CT381R	Aluminum	1/4NPT	100411	12.50

Inline Oiler - Compact

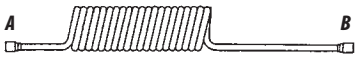
Mini refillable inline oilers ensure air tools perform more reliably - ***Only 2" OAL!***

Model No.	Type	Capacity	Thread	A.C.T. No.	Special Price $
MO250A	Aluminum	5ml	1/4NPT	85453	9.56
MO250B	Brass	5ml	1/4NPT	85454	7.65

Coil Hose

This Polyurethane hose does not split or kink, two of the most common problems with nylon air hose. Its tight compact coils allow it to be stored out of the way on a busy workbench. Working length is 80% of overall length.

Model No.	Size		Straight Ends		N.P.T. Fittings		A.C.T. No.	Special Price $
	ID	Length	A	B	A	B		
WPC-2510BAD	1/4"	10'	4"	20"	1/4" MR	1/4" MS	90203	14.38
WPC-2515BAD	1/4"	15'	4"	20"	1/4" MR	1/4" MS	90204	18.62
WPC-2525BAD	1/4"	25'	4"	20"	1/4" MR	1/4" MS	71023	19.23
WPC-3815BBE	3/8"	15'	4"	20"	3/8" MR	3/8" MS	216323	24.61
WPC-3825DBE	3/8"	25'	4"	30"	3/8" MR	3/8" MS	73296	26.86



MR-Male Rigid
MS-Male Swivel

Tapping Arm Packages

TAP-RITE TAPPING SYSTEMS

Features:

- Produce high quality threads
- Tap blind and through holes
- Reduce tap breakage
- Use conventional or roll taps
- Free up your CNC machine
- Engineered to absorb all torque reaction thereby reducing the potential for injury to the worker
- Minimal assembly required

Note: *Tapping collets not included, please order separately.*

TR1000-R500

A.C.T. stocks a wide range of tappers, tapping arms and accessories to suit your needs. Other packages available, including different arms, motors and holders to suit your job requirements!

For more detailed information please contact your nearest A.C.T. Branch!

1/2" Capacity 4 - 39" Working Range

SAVE 10%

Model No.	TRS1000-R500
A.C.T. No.	***262496***
Tapping Capacity in. (mm)	1/2 (12)
Reach in. (mm)	4 - 39 (102 - 991)
Tapping Arm	AC1000 ARM
Tapper Motor	TR400S
Tapping Chuck	BT1-B12 System 1
F.R.L. Unit	TR300H
Tool Holder	ACTHR-39 Rigid
Air Line & Exhaust Kit	TRAEK1000
Special Price $	***1827.00***

Hot Price!

$1,827.00

1/2" Capacity 12 - 78" Working Range

SAVE 10%

Model No.	TRS1500-R500
A.C.T. No.	***262502***
Tapping Capacity in. (mm)	1/2 (12)
Reach in. (mm)	12 - 78 (300 - 1,981)
Tapping Arm	AC1500
Tapper Motor	TR400S
Tapping Chuck	BT1-B12 System 1
F.R.L. Unit	TR300H
Tool Holder	ACTHR-39 Rigid
Air Line & Exhaust Kit	TRAEK1500
Special Price $	***2818.80***

Hot Price!

$2,818.80

7/8" Capacity 5 - 41" Working Range

SAVE 10%

Model No.	TRS1050-R875
A.C.T. No.	***262508***
Tapping Capacity in. (mm)	7/8 (22)
Reach in. (mm)	5 - 41 (127 - 1,041)
Tapping Arm	AC1050HD
Tapper Motor	TR90250
Tapping Chuck	BT2-B18 System 2
F.R.L. Unit	TR300H
Tool Holder	ACTHR-57HDL Rigid
Air Line & Exhaust Kit	TRAEK1050HD
Special Price $	***3228.30***

Hot Price!

$3,228.30

Heavy Duty Mobile Tapping Table

TAP-RITE TAPPING SYSTEMS

Versatile mobile work station ideal for tapping arm applications and other clamping and fixturing jobs.

Features:

- 1/2" T slot , ground, heavy duty cast table
- 4 Heavy duty swivel castors for easy movement, with brakes
- Heavy Duty welded steel cabinets and drawers

Hot Price!

$1,795.50

Mobile Tapping Table
(will accept all arms except AC1500 & AC200HD)

Model No.	MT007-2
A.C.T. No.	337653
Length in.	35. 1/2
Height in.	33
Width in.	24
Weight	220 lbs (100KGS)
Regular Price $	***1995.00***

Chain Air Hoists

ENDO
ENDO KOGYO CO.,LTD.

Pull Cord Type

Model No.	Rated Load (Ton)	Lift ft. (m)	Lifting Speed @ 90psi FPM	Air Consum. @ 90psi CFM	Air Inlet	A.C.T. No.	Special Price $
EHL-025TS	1/4	10 (3.0)	59	57	1/2	140164	2730.00
EHL-05TS	1/2	11 (3.0)	34	59	1/2	148031	2812.40
EHL-1TW	1	12 (3.0)	17	59	1/2	148034	3093.65

Pendant Type

Model No.	Rated Load (Ton)	Lift ft. (m)	Lifting Speed @ 90psi FPM	Air Consum. @ 90psi CFM	Air Inlet	A.C.T. No.	Special Price $
EHL-025TS PCS-1	1/4	10 (3.0)	59	57	1/2	140162	3678.00
EHL-05TS PCS-1	1/2	11 (3.0)	34	59	1/2	148033	3760.35
EHL-1TW PCS-1	1	12 (3.0)	17	59	1/2	148035	4041.60

Other lift lengths available

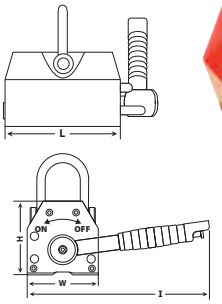
Permanent Magnetic Lifters

MAGNA LIFT

- Lift and transfer Steel & Iron without slings, hooks or cables and avoid damage to the surface finish
- 3.5x safety coefficient & no power required, eliminates hazards due to power failures, no running costs

Dimensions & Weight

Model No.	Contact Surface W	Contact Surface L	H	L	Weight	A.C.T. No.
MLQ-100	2.44″	3.62″	2.63″	6.50″	6.60 lbs	264903
MLQ-300	3.62″	6.37″	3.58″	8.30″	22 lbs	259653
MLQ-600	4.80"	9.13″	4.60″	11.90″	52.8 lbs	264904
MLQ-1000	6.90″	10.15″	6.41″	16.30″	110 lbs	264905
MLQ-2000	9.21″	14.88″	8.34″	22.70″	275 lbs	264906
MLQ-3000	11.26″	18.03″	10.28″	27.88″	484 lbs	264908



Capacities

Model No.	Steel Plate Max. Lifting Capacity lbs	Steel Plate Max. Lifting Capacity kg	Steel Plate Min. Thickness Required In	Steel Plate Min. Thickness Required mm	Round Steel (Not Hollow) Max. Lifting Capacity lbs	Round Steel (Not Hollow) Max. Lifting Capacity kg	Round Steel (Not Hollow) Max. Diameter In	Round Steel (Not Hollow) Max. Diameter mm	Maximum Length In	Maximum Length mm	A.C.T. No.	Special Price $
MLQ-100	220	100	0.59″	15	99	45	5.9″	150	39″	1000	264903	244.80
MLQ-300	660	300	0.98″	25	297	135	9.8″	250	59″	1500	259653	465.60
MLQ-600	1320	600	1.18″	30	600	270	13.7″	350	78″	2000	264904	756.00
MLQ-1000	2200	1000	1.57″	40	990	450	17.7″	450	98″	2500	264905	1220.00
MLQ-2000	4400	2000	2.16″	55	1910	870	21.6″	550	118″	3000	264906	1960.00
MLQ-3000	6600	3000	2.36″	60	2904	1320	25.60″	650	137″	3500	264908	3780.00

A.C.T. is an Authorized Warranty & Service Depot for...

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Web Slings

Polyester slings are resistant to most chemicals. Not resistant to acids, aldehydes, ethers and strong alkalis.

Type 3

Type 4

Type 3

- Type 3, 2 Ply, double eye
- Chocker WLL: 2,480 lbs
- Vertical WLL: 3,100 lbs
- Basket WLL: 6,200 lbs

Item No.	Width	Length	A.C.T. No.	Special Price $
TGWS0104	1″	4′	297015	6.47
TGWS0106	1″	6′	297014	7.92
TGWS0108	1″	8′	297013	9.47
TGWS0110	1″	10′	322902	11.18
TGWS0112	1″	12′	307595	12.25

- Type 3, 2 Ply, double eye
- Chocker WLL: 4,960 lbs
- Vertical WLL: 6,200 lbs
- Basket WLL: 12,400 lbs

Item No.	Width	Length	A.C.T. No.	Special Price $
TGWS0202	2″	2′	314315	7.47
TGWS0204	2″	4′	297016	9.68
TGWS0206	2″	6′	299456	12.35
TGWS0208	2″	8′	275255	14.95
TGWS0210	2″	10′	306524	17.68
TGWS0212	2″	12′	335691	20.20
TGWS0216	2″	16′	TGWS0216*	25.80
TGWS0218	2″	18′	TGWS0218*	28.40
TGWS0220	2″	20′	TGWS0220*	31.40

**Manufacturer part number listed*

- Type 3, 2 Ply, double eye
- Chocker WLL: 7,040 lbs
- Vertical WLL: 8,800 lbs
- Basket WLL: 17,600 lbs

Item No.	Width	Length	A.C.T. No.	Special Price $
TGWS0306	3″	6′	321555	18.32
TGWS0308	3″	8′	306526	22.37
TGWS0310	3″	10′	341457	26.63
TGWS0312	3″	12′	327963	30.28
TGWS0316	3″	16′	327964	37.77
TGWS0318	3″	18′	TGWS0318*	32.30
TGWS0320	3″	20′	327639	44.73

**Manufacturer part number listed*

- Type 3, 2 Ply, double eye
- Chocker WLL: 8,800 lbs
- Vertical WLL: 11,000 lbs
- Basket WLL: 22,000 lbs

Item No.	Width	Length	A.C.T. No.	Special Price $
TGWS0406	4″	6′	321554	20.88
TGWS0408	4″	8′	306530	25.65
TGWS0410	4″	10′	TGWS0410*	33.67
TGWS0412	4″	12′	326909	38.70
TGWS0416	4″	16′	TGWS0416*	48.40
TGWS0418	4″	18′	323948	47.38
TGWS0420	4″	20′	TGWS0420*	58.53

**Manufacturer part number listed*

Sling made with a flat loop eye on each end with loop eye opening on same plane as sling body. This type of sling is sometimes called a flat eye and eye, eye and eye, double eye sling.

Type 4

- Type 4, 2 Ply, double eye
- Chocker WLL: 4,960 lbs
- Vertical WLL: 6,200lbs
- Basket WLL: 12,400 lbs

Item No.	Width	Length	A.C.T. No.	Special Price $
TGWS40204	2″	4′	322533	8.62
TGWS40206	2″	6′	314316	12.13
TGWS40208	2″	8′	322534	14.70
TGWS40210	2″	10′	331180	18.00
TGWS40212	2″	12′	326908	20.20

Sling made with both loop eyes formed as in Type III, except that the loop eyes are turned to form a loop eye which is at a right angle to the plane of the sling body. This type of sling is commonly referred to as a twisted eye sling.

For Our Complete Selection of Annular Cutters

See Page 91

Super Pricing
M42 H.S. Cobalt
Annular Cutters

HIGH SPEED 8% COBALT

Carbide Tip Available

Mag Drills

JEI Solutions Built for Industry — Made in ENGLAND

Sale Price $1,514.00!

MINIBEAST

- Compact size and weight - ideal for site work.
- Internal coolant reservoir
- Self correcting slide rails

WEIGHS LESS THAN 23 LBS!

Sale Price $1,740.00!

HM40/1

- Powerful 1100 watt motor
- Easily adapts to a 13mm chuck for use on twist drill applications
- External coolant system for extended tool life

WEIGHS LESS THAN 28 LBS!

Sale Price $2,667.00!

HM50/1

- Heavy duty 1150 watt motor - enables larger cutting capacity.
- 2 speed gear box
- 50mm cutter capacity
- Variable speed with Forward and reverse for Tapping up to M20
- Maintenance friendly twin slide rails
- 150mm total drill travel

WEIGHS LESS THAN 29 LBS!

Sale Price $3,422.00!

HM100/1

- Heavy duty 1700 watt motor enables larger cutting capacity
- Weighs 52.8 lbs with a 100mm cutter capacity for unrivalled weight-to-cutting-capacity ratio
- 4-speed gear box is ideal for a wide selection of cutting operations
- 250mm total drill travel - Facility to use 150mm (6") long cutters
- Maintenance friendly twin slide rails
- No wearing parts and adjustment-free operation

Model No.	MINIBEAST	MAGBEAST HM40 (HM40/1)	MAGBEAST HM50 (HM50/1)	MAGBEAST HM100 (HM100/1)
A.C.T. No.	312383	278105	315098	278107
Special Price $	***1,514.00***	***1,740.00***	***2,667.00***	***3,422.00***
RPM - Under Load	350	440	2 Fixed Speeds - 250/450	4 Fixed Speeds - 110, 175, 245, 385
Motor	1010 Watts	1100 Watts	1150 Watts	1700 Watts
Weight	22 lbs (10 kg)	27.9 lbs (12.7 kg)	28.6 lbs (13 kg)	52.8 lbs (24 kg)
Magnetic Strength	2160 lbs/980 kg	2345 lbs/1066 kg	2750 lbs/1250 kg	4519 lbs/2050 kg
Cutter Capacity	Ø 1.375" (35mm)	Ø 1.6" (40mm)	Ø 2" (50mm)	Ø 3.9" (100mm)
Twist Drill Capacity	12 mm with twist drill set	13 mm with optional attachment	13 mm with 2MT chuck, 23 mm with 2MT twist drill	19 mm with 3MT chuck, 32 mm with 3MT twist drill
Depth of Cut	2" depth of cut	4" depth of cut	4" depth of cut	6" depth of cut
Vertical Travel	2.75" (70 mm)	4.75" (120 mm)	6" (150 mm)	9.8" (250 mm)

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28 Piece Transfer Punch Set

- Heat treated tempered steel.
- Consists of one each of punch sizes 3/32 thru 1/2 x 64th plus 17/32 and stand.

200-750

Model No.	Description	A.C.T. No.	Special Price $
200-750	3/32 thru 1/2 x 64th plus 17/32	113986	27.06

8pc Pin Punch Set

These round shank pin punches have clean and well cut knurling which provides positive, non slip grip. This range of punches have a black oxide finish.

Model No.	Description	A.C.T. No.	Special Price $
606-630	1/16, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8	211499	65.28

6 Piece Screw Extractor Set - Straight, Tapered Flutes

WILLIAMS® A SNAP-ON® BRAND

- Designed for quick, easy removal of left or right-handed broken screws, bolts, studs or other threaded forms.
- Drill bit sizes to be used are stamped on each extractor.
- A hole is first drilled in the broken stem and the right size Williams extractor is then inserted.

#EXS-30

Includes:

Drill Size	1/8"	3/16"	7/32"	5/16"	3/8"	15/32"
For Use on Bolt Sizes	1/4" to 5/16"	3/18"	7/16"	1/2" to 9/16"	5/8"	3/4"

Model No.	A.C.T. No.	Special Price $
EXS-30	258498	55.88

Type 420 - Spiral Bolt Extractor Set

VIKING DRILL & TOOL

- Fast and easy stud removal.
- Left-hand spiral drills often eliminate the need for use of ex tractor.
- Drill loosens bolt stud with counter clockwise rotation.
- 135°split point for fast penetration and accurate starting without center punch.
- Most broken studs are work hardened during the breaking process.

#5 #4 #3 #2 #1

Model No.	Description of Sizes	Qty of each	A.C.T. No.	Special Price $
47180	EX 1, 2, 3, 4 & 5	1	269535	17.03

Ball Pein Hammer with Fiberglass Handle and Cushion Grip

WILLIAMS® A SNAP-ON® BRAND

- Ideal for driving punches, chisels and other metal work.
- Fiberglass handle has a cushion grip for greater comfort and safety.
- Hammer heads are drop-forged from specially selected steel & carefully heat treated for dependable strength, hardness & uniformity.

20543

Model No.	Weight (oz.)	Handle Length (Inches)	Overall Length (Inches)	Face Diameter (Inches)	A.C.T. No.	Special Price $
20542	8	9-1/2	10-3/4	7/8	236159	15.00
20543	12	10-1/4	11-3/4	7/8	259563	17.40
20544	16	11-1/4	13	1-7/8	236160	20.38
20545	24	13	15	1-1/4	259564	22.92
20546	32	12-3/4	15	1-1/4	236161	25.50

C-Clamps

ECLIPSE PROFESSIONAL ENGINEERING TOOLS

- Unbreakable Malleable Cast Iron Frame
- Powder Coat Finish

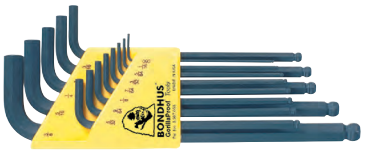
**Manufacturer part number listed*

Model No.	Clamping Capacity	Frame Proof Load	A.C.T. No.	Special Price $
E20-03	3"	1,000 lbs (455 kg)	278945	9.07
E20-04	4"	1,200 lbs (545 kg)	278946	11.92
E20-06	6"	1,400 lbs (636 kg)	278947	17.13
E20-08	8"	1,700 lbs (773 kg)	278948	27.42
E20-10	10"	2,000 lbs (909 kg)	E20-10*	34.98
E20-12	12"	2,500 lbs (1,136 kg)	E20-12*	45.17

L-Wrenches - ProGuard™ Ball End

BONDHUS® MADE IN USA

- Ball End inserts into screw at a 25º angle
- Ball End saves time by quickly funneling tool into screw
- 25º angle allows natural hand and wrist movement
- Superior Ball End strength and working angle
- Works in hard to reach places



Model No. BLX13

Model No.	Type	Sizes Included	A.C.T. No.	Special Price $
BLX13	Inch	.050 - 3/8	69436	27.30
BLX9M	Metric	1.5 - 10mm	53026	22.28
BLX22	Inch & Metric	Includes Both Sets Above (BLX13 & BLX9M)	152484	46.87

L-Wrenches - ProGuard™ ProHold® Ball End

- Holds screw tight on the tool EVERY TIME
- Button is non-magnetic
- Super smooth rotation action, with no interference from the ProHold® button
- Tool strength is not compromised by the ProHold® button

Model No. PBLX13

Model No.	Type	Sizes Included	A.C.T. No.	Special Price $
PBLX13	Inch	.050 - 3/8	234609	39.30
PBLX9M	Metric	1.5 - 10mm	234611	31.89

L-Wrenches - ProGuard™ Stubby Ball End

- Fits into tight spaces standard hex keys cannot
- Eliminates the need to trim and file the short arm
- Tighter inside radius means full smooth entry into screw head
- Chamfered short arm eliminates burrs
- Ball End inserts into a screw at a 25º angle

Model No.	Sets	Pcs.	Length	Contents	A.C.T. No.	Special Price $
SBLX10	Inch	10	Long	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	324053	18.57
SBLX13	Inch	13	Long	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	306980	31.29
SBLX7M	Metric	7	Long	1.5, 2, 2.5, 3, 4, 5, 6 (mm)	324054	15.42
SBLX9M	Metric	9	Long	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 (mm)	292820	24.17

Model No. SBLX10

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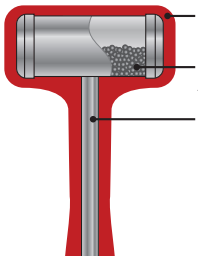
Non-Marking Dead Blow Hammers

POWER BLOW



Soft Polyurethane Face & Body
Eliminates sparks, reduces striking noise and will not damage or mar parts

Metal Stampings Inside Metal Head Cylinder
Adds force to blow, deadens vibration and minimizes rebound

Internal Metal Reinforcement
Robust & reliable design for long lasting tool life

Model No.	Weight	Head Dia.	Head Length	O.A.L.	A.C.T. No.	Special Price $
CH-0	9 oz.	1″	3″	10.1/8″	116088	21.55
CH-1	16 oz.	1.1/2″	3.5/8″	10.3/4″	116089	23.77
CH-2	24 oz.	1.3/4″	4″	12″	116090	28.21
CH-3	36 oz.	2″	4.1/4″	13.1/4″	116091	33.30
CH-4	48 oz.	2.1/8″	4.5/8″	14″	116092	39.91
CH-5	56 oz.	2.1/2″	5.1/4″	14.5/8″	116093	47.33
CH-36*	184 oz.	3.3/4″	7.7/8″	36.5/8″	116094	184.42

*Sledge Hammer Size

Ideal for Hazardous or Explosive Environments, Tool & Die Set Up, Assembly, Repair Applications and Cabinet Making.

Dial Torque Wrenches - Dual Scale

CDI TORQUE PRODUCTS
A SNAP-ON® BRAND

Dial Torque Wrenches are designed for the automotive, nuclear and industrial markets in addition to military installations throughout the world. This series features sturdy torsion beam design for dependable long life and accuracy. The small frame model offers working ranges from 3 in. lbs. to 50 ft. lbs. in 1/4″ and 3/8″ drives. The large frame model continues from 100 ft. lbs. through 2,000 ft. lbs. with 1/2″, 3/4″ and 1″ drives. Accuracy of both series of ± 3% meets or exceeds ASME standards, ISO 6789 bi-directionally from 20% to 100% of scale. All wrenches supplied with a N.I.S.T. traceable certificate of calibration.

- Sturdy body construction insures durability.
- Easy to read laser marked dual scale.
- Large easy to read dial is shock resistant and protected by a tough metal guard.
- Memory needle retains highest torque reading applied.
- Calibrated in both CW and CCW direction.
- Accuracy: ± 3% of indicated value, CW & CCW, from 20% to 100% of full scale.
- Individually serialized with matching certifi cate of calibration traceable to N.I.S.T.

Memory Needle Models

Model No.	Drive Size	English Range	Incr.	Nm Range	Incr.	A	B	C	D	Weight	A.C.T. No.	Special Price $
751LDIN	1/4″	0-75 in.lbs	1 in.lbs	0-9 Nm	.2 Nm	11.5″	1.1″	1.2″	2.75″	1.1 lbs.	265177	231.72
1502LDIN	3/8″	0-150 in.lbs	2 in.lbs	0-18 Nm	.5 Nm	11.5″	1.1″	1.2″	2.75″	1.1 lbs.	251889	231.72
502LDFN	3/8″	0-50 ft.lbs	1 ft.lbs	0-70 Nm	2 Nm	15″	1.5″	1.2″	2.75″	1.6 lbs.	286102	264.17
1003LDFN	1/2″	0-100 ft.lbs	2 ft.lbs	0-140 Nm	2.5 Nm	21.75″	2.25″	1.5″	2.75″	3.7 lbs.	255122	311.43
60004LDFNSS	3/4″	0-600 ft.lbs	10 ft.lbs	0-800 Nm	20 Nm	47″	2.5″	1.5″	2.75″	10.10 lbs.	255124	622.77

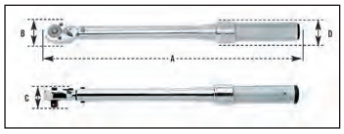
**6004LDFN includes 1 extension handle.*

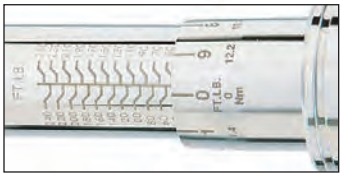
Metal Handle Click Type Torque Wrenches

CDI TORQUE PRODUCTS
A SNAP-ON® BRAND

Metal Handle Dual Scale. The metal handle series offers the user a rugged, industrial strength torque wrench able to withstand the rigors of professional use. Handles are lightly knurled for a tough, non-slip grip.

- Dual scale, calibrated dual direction
- Positive lock with spring loaded pull down lock ring
- Fast, accurate and easy to set
- Easy-to-read laser marked scales
- Most feature quick release buttons which provides good socket retention as well as easy socket removal
- Accuracy: ± 3% CW ± 4% CCW of indicated value, CW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.





Model No.	Drive Size	English Range	Incr.	Nm Range	Incr.	A	B	C	D	Weight	A.C.T. No.	Special Price $
501MRMH	1/4″	10-50 in.lbs	0.5	1.4-5.4 Nm	0.5	10.15″	1.06″	0.93″	1.06″	0.85 lbs.	236089	194.20
2502MRMH	3/8″	30-250 in.lbs	1	4.0-27.7 Nm	0.12	11.25″	1.06″	0.93″	1.06″	0.95 lbs.	255125	200.48
752MFRMH	3/8″	5-75 ft.lbs	0.5	10.2-98.3 Nm	0.7	16″	1.43″	1.2″	1.4″	2.5 lbs.	240974	211.01
1503MFRMH	1/2″	20-150 ft.lbs	1	34-197 Nm	1.4	19″	1.7″	1.4″	1.4″	3.15 lbs.	236087	242.58
2503MFRMH	1/2″	30-250 ft.lbs	1	47-332 Nm	1.4	24.4″	1.7″	1.4″	1.4″	3.15 lbs.	243603	262.74
6004MFRMH	3/4″	100-600 ft.lbs	5	169-779 Nm	6.8	42″	2.5″	2″	1.15″	11.85 lbs.	259662	809.43

Locking Pliers

IRWIN VISE-GRIP®

Curved Jaw

- Involute jaw curve permits user to put tremendous pressure on four points of any style nut or bolt

Model No.	Length	A.C.T. No.	Price $
7CR	7″	96599	19.08
10CR	10″	93323	19.41

Curved Jaw with Wire Cutters

- Convenient wire cutter cuts up to a 1/4″ bolt
- Involute jaw curve permits user to put tremendous pressure on four points of any style nut or bolt

Model No.	Length	A.C.T. No.	Price $
7WR	7″	68510	19.08
10WR	10″	85417	19.41

Long Nose

- Convenient wire cutter cuts up to a 1/4″ bolt
- Long, straight nose allows for use in narrow spaces not reachable by curved or straight jaws
- Use to clamp or tighten bolts or to extract items in hard-to-reach places

Model No.	Length	A.C.T. No.	Price $
6LN	6″	64763	20.00
9LN	9″	64764	23.94

Straight Jaw

- Straight jaws allow for maximum contact of flat, square or hex work
- Very popular in welding and other metal work
- Use for safer grinding or as a portable vise

Model No.	Length	A.C.T. No.	Price $
7R	7″	200185	19.08
10R	10″	63461	19.41

C-Clamp

- Locks workpiece in place with the squeeze of one hand
- High-grade alloy steel is heat treated for maximum toughness and durability

Model No.	Length	A.C.T. No.	Price $
6R	6″	63460	17.84
11R	11″	63462	30.08
18R	18″	94329	44.05

C-Clamp with Swivel Pad

- Swivel pads for holding without damaging work surface
- High-grade alloy steel is heat treated for maximum toughness and durability

Model No.	Length	A.C.T. No.	Price $
6SP	6″	111889	20.05
11SP	11″	67961	32.35
18SP	18″	105521	45.26
24SP	24″	101287	56.52

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Sliding Bar Clamps

The Bessy clamps sliding arm is positioned quickly and easily to the required size. Design allows for quick tightening and releasing of the arm and screw assembly.Eliminates the long adjustment screw.

SQ Series

The "SUPER QUICK" economical industrial sliding clamps has a heat treated steel sliding arm and standard screw pad.

Model No.	Capacity	Depth	Force	Weight	A.C.T. No.	Special Price $
SQ-4	6"	4 3/4"	1330 lbs	2.35 lbs	107026	67.32
SQ-8	8"	5 1/2"	2660 lbs	6lbs	90425	110.70
SQ-12	12"	5 1/2"	2660 lbs	6.7 lbs	110525	137.50
SQ-16	16"	5 1/2"	2660 lbs	7.4lbs	251916	163.19

2400 Series

The "REGULAR DUTY" industrial sliding clamps has a heat treated steel sliding arm and replaceable Morpad and screw assembly.

Model No.	Capacity	Depth	Force	Weight	A.C.T. No.	Special Price $
2400S-8	8"	5 1/2"	2800 lbs	6.45 lbs	60772	169.95
2400S-12	12"	5 1/2"	2800 lbs	6.8 lbs	53964	193.27
2400S-16	16"	5 1/2"	2800 lbs	7.4 lbs	240117	217.84
2400S-20	20"	5 1/2"	2800 lbs	8.1 lbs	53966	243.90

STB Series

The "SUPER TOUGH BESSY" industrial sliding clamp has a heat treated steel sliding arm and a standard screw pad.

Model No.	Capacity	Depth	Force	Weight	A.C.T. No.	Special Price $
STB-12	12"	7"	4880 lbs	12.2 lbs	STB-12*	281.78
STB-18	18"	7"	4880 lbs	14.7 lbs	329451	319.86
STB-24	24"	7"	4880 lbs	16 lbs	336397	342.33
STB-36	36"	7"	4880 lbs	20.6 lbs	STB-36*	375.19

*Manufacture part number listed

4800 Series

The "HEAVY DUTY" industrial sliding clamp has a heat treated steel sliding arm and replaceable Morpad and screw assembly.

Model No.	Capacity	Depth	Force	Weight	A.C.T. No.	Special Price $
4800S-12	12"	7"	4880 lbs	12.4 lbs	53965	365.78
4800S-18	18"	7"	4880 lbs	14.7 lbs	234854	408.94
4800S-24	24"	7"	4880 lbs	16.2 lbs	241032	448.32

Standard Smooth Faced Replacement Morpad

For: SQ/STB/2400/4800 Series

- Bessey's patented replacement Morpad.
- Tilt to 35 deg.
- Easy to replace.
- Comes apart for easy cleaning.

Model No.	Description	A.C.T. No.	Special Price $
3100736	Standard Smooth faced	53971	31.36
3101192	Rough face version	332873	36.57
3101193	V-Grove	332972	34.85

Lens Cleaner

ZENITH® Safety Products

- For general lens cleaning and wiping needs
- Available in a 16 oz. refillable spray, 1 gallon refill or non-abrasive tissues
- Does not contain silicone
- 300 non-abrasive tissues (5" x 8")

Model No.	Type	Quantity	A.C.T. No.	Special Price $
SEE398	Tissue	300/Box	285426	2.65
SEE378	Fluid	16 oz.	285425	5.35
SEE381	Fluid	1 Gal.	280354	19.95

PR88 Skin Protection Cream

rath's Skin protection Skin cleansing Skin care

Simply clean hands! The classic product for oily, greasy and highly adhesive substances. Protects the skin when working with oil, grease, paint, graphite, soot, tar and bitumen products, dust, (PU) adhesive, artificial resins, polyester, silicone masses, mineral fibres etc.

Model No.	Quantity	A.C.T. No.	Special Price $
PR88	33.8 oz/1L	148582	32.45

Kimtech Science™ Delicate Task Wipes

KIMTECH

- 140 wipers per box, 15 boxes per case, 2,100 wipers per case total
- Kimtech™ Science Wipes easily wipe up liquids, dust and tiny particles and are designed for delicate tasks
- Kimberly-Clark Kimwipes features one-at-a-time dispensing for minimized waste
- Anti-static dispensing system reduces lint and electrostatic discharge (for sensitive environments like labs)
- Each wiper is 14.7" x 16.6" and useful for polishing glassware, cleaning laboratory instruments and other delicate surfaces

Model No.	Type	Quantity	A.C.T. No.	Special Price $/Box
34256	Delicate 1 Ply Task Wipes - White	140/Box	141443	11.75

WypAll® General Clean X60 Multi-Task Cleaning Cloths

WYPALL BRAND

- 126 cloths / box, 10 boxes / case, 1,260 cloths / case
- WypAll® General Clean X60 Multi-Task Cleaning Cloths are absorbent and reinforced to stay strong for cleaning performance in light duty tasks; they absorb water faster than rags
- Each white commercial paper towel measures 8.34" x 16.8" and dispenses one at a time from the box
- These lightweight cloths contain no adhesives or binders, yet they hold together and don't leave residues behind
- To create an effective general purpose industrial cloth, WypAll® combined proprietary HydroKnit fast absorbing technology with reinforced structure, so you get durability at a great value

Model No.	Type	Quantity	A.C.T. No.	Special Price $/Box
X60	Multi Task Cleaning Cloth - White	126/Box	332852	14.95

WypAll® Power Clean X80 Heavy Duty Cloths

WYPALL BRAND

- 160 Blue WypAll® Power Clean X80 Heavy Duty Cloths per BRAG Box; 1 box / case
- WypAll® Power Clean X80 Heavy Duty Cloths are durable wipes absorb more water and oil than textile shop rags and stay strong for superior performance
- Each cloth measures 11.1" x 16.8" and cleans oil, dirt, grime and solvents; the Brag Box is designed for easy one-at-a-time dispensing
- Proprietary HydroKnit technology is fast absorbing to wick away moisture
- Disposable cloths clean oil, dirt, grime and solvents, while remaining resistant to harsh cleaning agents

Model No.	Type	Quantity	A.C.T. No.	Special Price $/Box
X80	Heavy Duty Cloths - Blue	160/Box	202316	45.90

SecureFit Protective Eyewear

- Self-adjusting feature eliminates need to stock multiple frame sizes at worksites.
- Secure, snug fit keeps eyewear in place without slippage when in motion.
- 3M™ Pressure Diffusion Technology allows temples to naturally adjust to individual head sizes.
- Weighs less than an ounce
- Clear anti-fog lens

Model No.	Frame Colour	Lens Colour	A.C.T. No.	Case Quantity	Special Price $
SF201AF-CA	Clear	Clear	292133	20	3.96

SecureFit Protective Eyewear Anti-Fog

- 3M™ Pressure Diffusion Technology allows temples to naturally adjust to individual head sizes reducing the need to stock multiple frame sizes at work sites
- Padded temple touchpoints and soft, adjustable nosepads provide added comfort for long-term wear and secure, snug fit helps keep eyewear in place without slippage even when the person is in motion
- Weighs less than an ounce
- Clear anti-fog lens

Model No.	Frame Colour	Lens Colour	A.C.T. No.	Case Quantity	Special Price $
SF401AF-CA	Clear	Clear	292132	20	4.49

Virtua™ Cord Control Protective Eyewear

- Unique temple design controls and holds the cord of the earplug to keep it securely in place and untangled while in use
- The Cord Control System (CCS) allows the corded earplugs to double as a lanyard and may help reduce the expense of replacing lost ear plugs and eyewear.
- Wraparound design provides extended eye protection and unobstructed viewing
- Anti-fog polycarbonate lens absorb 99.9% UV
- Meets the requirements of CSA Z94.3-07 and is Impact Rated to ANSI Z87.1-2010
- Contoured temples fit comfortably and snugly

Model No.	Frame Colour	Lens Colour	A.C.T. No.	Case Quantity	Special Price $
11872-00000-20	Clear	Clear	276372	20	12.39

Virtua™ Protective Eyewear

- Design merges style, fit, and lightweight comfort
- High-wrap design offers additional coverage and grip
- Polycarbonate lenses absorb 99.9% of harmful UVA and UVB rays
- Virtua Anti-Fog clear lens
- Weighs less than 1 ounce (28.3 g)

Model No.	Frame Colour	Lens Colour	A.C.T. No.	Case Quantity	Special Price $
11329-00000-20	Clear	Clear	337204	20	2.60

Protective Glasses - OTG Visitor Glasses

- Lightweight and economical
- Scratch resistant coating

IDI No.	Frame Colour	Lens Colour	A.C.T. No.	Case Quantity	Special Price $
TGSG007	Clear	Clear	313655	12	1.99

Clear Lens Safety Glasses

- CSA Certified Z94.3-07
- Lightweight wrap-around design
- Molded Nose-Piece
- Frameless Polycarbonate lens
- Scratch resistant coating

IDI No.	Frame Colour	Lens Colour	A.C.T. No.	Case Quantity	Special Price $
TGSG001†	Clear	Clear	303631	12	2.47
TGSG002	Clear	Clear	303632	12	2.35

†Anti-Fog Lens

Indoor/Ourdoor Lens Safety Glasses

- Indoor/Outdoor Lens
- CSA Certified Z94.3-07
- Lightweight wrap-around design
- Molded Nose-Piece
- Frameless Polycarbonate lens
- Scratch resistant coating

IDI No.	Frame Colour	Lens Colour	A.C.T. No.	Case Quantity	Special Price $
TGSG004	Clear	Clear	303634	12	2.70

Black Frame/Gray Lens Safety Glasses

- CSA Certified Z94.3-07
- Lightweight wrap-around design
- Molded Nose-Piece
- Frameless Polycarbonate lens
- Scratch resistant coating

IDI No.	Frame Colour	Lens Colour	A.C.T. No.	Case Quantity	Special Price $
TGSG003	Black	Gray	303633	12	2.12

GoggleGear Splash Goggle

- Lens, frame, and strap can be quickly disassembled for cleaning
- Polycarbonate lenses absorb 99.9% of UVA and UVB rays
- Scotchgard™ Anti-Fog Coating
- Low-profile design
- Removable strap
- Optional prescription insert
- Indirect venting

IDI No.	Frame Colour	Lens Colour	A.C.T. No.	Case Quantity	Special Price $
GG501SGAF	Grey / Red	Clear	325038	10	27.86

Nemesis Safety Glasses

JACKSON SAFETY Brand

- Free neck cord included with every pair
- Lightweight wraparound design
- 8.25 base curve
- Rubber nosepiece
- Lenses provide 99.9% UVA/B protection

Nemesis

Model No.	Frame Colour	Lens Colour	A.C.T. No.	Special Price $
25676	Black	Clear	190753	4.95

Faceshield

3M

- 3M molded Faceshield helps provide splash resistance and face protection.
- These faceshields mount quickly to any 3M Headgear without tools, snaps, or cams, and mounts inside the headgear crown for added splash protection.
- Size: 9 x 14.5 x .080

Model No.	Recommended Use	Type	A.C.T. No.	Special Price $
82700-00000	Chemical Splash	Propionate	142384	13.59
82701-00000	High Impact	Polycarbonate	160345	10.72

Centurion Splash Safety Goggle

3M

- Impact or splash protection
- Clear anti-fog lens
- Polycarbonate lens absorbs 99.9% UV
- Certified to CSA Z94.3.
- Indirect venting system to minimize fogging
- Z87+ Rated over-the-glass safety goggles

Model No.	Frame Colour	Lens Colour	A.C.T. No.	Case Quantity	Special Price $
40305-00000	Clear / Black	Clear	343893	10	12.31

Headgear

3M

- Headgear gives users a wide choice of faceshield materials, sizes, shapes, and tints for task specific requirements
- Durable head protection for workers in metalworking, utilities, wood working, and many other industries.
- Adjustable ratchet suspension
- Five position crown strap

Model No.	Type	A.C.T. No.	Special Price $
82501-00000	AO Safety H8	142383	27.99

Lens Cleaning Towelettes

- Permeated with anti-fog, anti-static formula
- Excellent cleaning with no streaking
- Individually packaged
- Contains Isopropanol

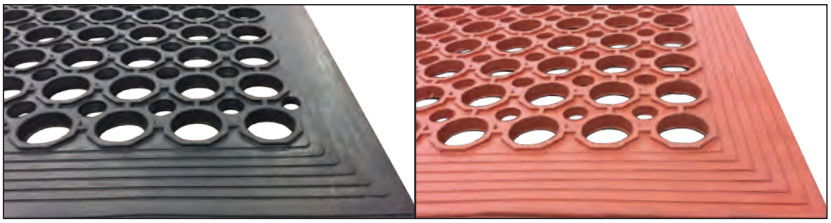
ZENITH® Safety Products

Model No.	Quantity	Size	A.C.T. No.	Special Price $
SEE379	100/Box	5"x8"	287265	12.33

Slip Resistant Anti-Fatigue Matting

Recommended for machine shops, kitchens and bars.

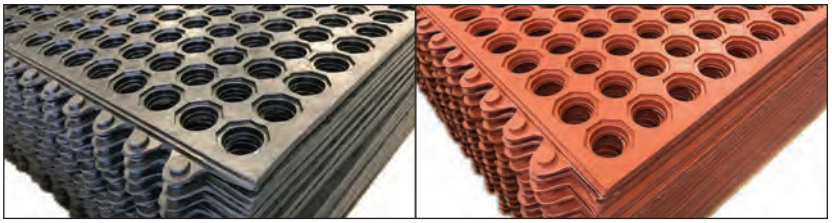
- Heavy-duty rubber.
- Mat resists grease.
- Debris falls through holes. Hose off quickly to clean.
- Terra Cotta Mats - resists harsh grease and chemicals.
- Beveled Edge



Size	Colour	Type	Thickness	A.C.T. No.	Special Price $
3' x 5'	Black	Slip-resistant	1/2"	339615	72.00
3' x 5'	Terra Cotta	Grease-proof	1/2"	339616	91.00

Safety / Anti-Fatigue Matting

M32 Interlock Mat is a modular anti-fatigue mat system with molded-in mat connectors for easy on-site custom configurations & longer lengths. Its large hole design provides excellent drainage removing liquids & debris from the worker's platform.



Anti-Fatigue Mats

Size	Colour	Thickness	A.C.T. No.	Special Price $
3' x 3'	Red - Grease Resistant	1/2"	299395	65.00
3' x 3'	Black - General Purpose	12mm	321147	39.00

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Quick Latch Half Facepiece Respirator

- Quick latch provides an easy on and off option as you move in and out of contaminated areas
- Extended product life due to resilient silicone facepiece material
- 3M™ Bayonet Connection is compatible with all 3M cartridges and filters
- Simplified cleaning and maintenance with fewer parts and crevices

Model No.	Size	Type	A.C.T. No.	Special Price $
6501QL	Small	Nylon, Silicone	304685	30.58
6502QL	Medium	Nylon, Silicone	304686	30.58
6503QL	Large	Nylon, Silicone	301328	30.58

Half Mask Respirator

Silicone repirators available

- Reliable, convenient respiratory protection when combined with 3M™ Particulate Filters or Cartridges (such as organic vapour/acid gas cartridges) or dual airline system

Model No.	Size	Type	A.C.T. No.	Special Price $
6100	Small	Rubber	118647	19.38
6200	Medium	Rubber	118648	19.38
6300	Large	Rubber	118649	19.38

Hepa Filter P100

Sold in pairs

- Exceptional 99.97% filter efficiency meets NIOSH P100-series test criteria
- Versatile protection against many oil and non-oil based particulate contaminants
- Nuisance odor relief for organic vapour levels below the Permissible Exposure Level (PEL)

Model No.	Type	A.C.T. No.	Special Price $
2097	P100	125454	14.21

Advanced Filter P100

- P100, nuisance organic vapour relief particulate filter
- Easier breathing
- Long lasting
- Use with 3M™ Reusable Respirators

Model No.	Type	A.C.T. No.	Special Price $
2297	P100	246185	15.89

Cartridges

6001

6006

60921

Model No.	Type	A.C.T. No.	Special Price $
6001	Organic Vapors	118653	17.38
6006	Multi Gas	207340	19.13
60921	Organic Vapors	197076	35.82

**Manufacturer part number listed*

Full Face Respirator

- Unique centre adapter to direct exhaled breath and moisture downward, helps reduce debris from depositing in the valve, and allows for quick and easy cleaning
- Large lens for wide field of view and excellent visibility
- 3M™ Cool Flow™ Valve for cooler, drier comfort

Model No.	Size	Type	A.C.T. No.	Special Price $
6800	Medium	Rubber	124685	223.62
6900	Large	Rubber	139973	223.62

Particulate Respirator N95 - 8200 Series

- NIOSH-approved for filtration against certain oil and non-oil based particles
- Lightweight, disposable particulate respirator is economical choice for respiratory protection
- Adjustable nose clip helps provide a custom and secure seal
- Two-strap design with four-point staple attachment helps provide a secure seal
- Cushioning nose foam

Model No.	Quantity	A.C.T. No.	Special Price $
8200	20/box	333385	17.80

Particulate Respirator - 8210 Series

BUY MORE SAVE MORE!

- NIOSH approved for at least 95 percent filtration efficiency against certain non-oil based particles
- Two-strap design with welded dual point attachment helps provide a secure seal
- Cushioning nose foam
- Lightweight construction promotes greater worker acceptance and may help increase wear time
- Advanced electrostatic media is designed for ease of breathing
- Adjustable nose clip helps provide a custom and secure seal

Model No.	Quantity	A.C.T. No.	Box Quantity	Special Price $ Per Box
8210	20 / box	131780	1 - 7	23.80
			8 +	21.90

Respirator Cleaning Wipes

- Clean and refresh elastomeric facepiece respirators, eliminating dirt and perspiration
- Sealed in its own protective wrapper for maximum freshness and moistness
- Individually packaged
- Alcohol free and will not damage the facepiece materials

Model No.	Quantity	Size	A.C.T. No.	Special Price $
504	100/Box	8" x 10"	119877	72.94

Respirators & PPE Cleaning Wipes

ZENITH® Safety Products

- For rubber or latex face and mouth pieces, respirators, etc.
- Avoids "drying-out" associated with alcohol based cleaners
- Individually packaged
- Alcohol-free

Model No.	Quantity	Size	A.C.T. No.	Special Price $
SEE383	100/Box	8" x 5"	329155	13.50

Respirator Refresher Wipe Pads

NORTH by Honeywell

- Pads contain 70% Isopropanol
- Alcohol-wipes that remove perspiration and body oils from respirator facepieces
- Individually packaged

Model No.	Quantity	Size	A.C.T. No.	Special Price $
7003-H5	100/Box	7.5" x 5"	167118	39.39

Over-the-Head Earmuffs, Low Profile - NRR 27 dB

- Wire headband offers consistent pressure over prolonged wearing periods
- Earcup pivot points tilt for optimum comfort and efficiency
- Replaceable ear cushions and foam liners (3M™ Peltor™ Hygiene Kit HYX4)
- CSA Class AL

Model No.	Type	A.C.T. No.	Special Price $
X4A	X4A, black/green	301083	40.93

Optime 101 Over-the-Head Earmuffs - NRR 27 dB

- For noise levels up to 101 dBA
- Stainless steel headband provides consistent force
- Liquid/foam filled ear cushions for comfortable long-term wear
- Earcup pivot points that tilt for comfort and efficiency
- CSA Class A

Model No.	Type	A.C.T. No.	Special Price $
H7A	Optime 101	315972	37.66

Manufacturer part number listed

Optime 98 Over-the-Head Earmuffs - NRR 25 dB

- stainless steel headband for consistent force and effective hearing protection.
- Replaceable ear cushions and foam liners
- Liquid/foam filled ear cushions for comfortable long-term wear
- Earcup pivot points that tilt for comfort and efficiency
- CSA Class A

Model No.	Type	A.C.T. No.	Special Price $
H9A	Optime 98	269147	25.51

Manufacturer part number listed

E-A-R Soft Neon Uncorded Earplugs

- Regular size fits most ear canals
- Test compatible with 3M™ E-A-Rfit™Validation System.
- Soft, pliable foam offers comfort for wearing over an extended time
- Low-pressure fom makes plugs less noticeable
- **Noise Reduction Rating (NRR) 33 dB. CSA Class AL**

Model No.	Packaging	A.C.T. No.	Special Price $/ Box
312-1250	200 pairs / box	244076	33.87

Foam Uncorded Earplugs

BUY MORE SAVE MORE!

- Soft, hypo-allergenic polyurethane foam offers maximum wearer comfort
- Smooth, dirt-resistant surface
- Tapered design fits most ear canals
- **Noise Reduction Rating (NRR) 29.0dB CSA Class AL**

Model No.	Quantity	A.C.T. No.	Box Quantity	Special Price $ Per Box
1100	200 pairs / box	92901	1 - 4	29.95
			5 +	27.67

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320 Blue Chip

- Resilient natural rubber latex coated palm and fingertips offers superior resistance to punctures and abrasion with sure-grip crinkle finish for excellent wet/dry grip
- Poly/cotton seamless knit shell for a comfortable wear
- Ergonomically formed to reduce hand fatigue

Style #	A.C.T. No. S	M	L	XL	Special Price $/pr
320	335359	333672	246887	313050	2.59

330 Visibull

- Napped thermal interior for superior warmth in cold conditions
- Resilient rubber latex coating offers excellent resistance to abrasion and tears, sure-grip crinkle finish provides an excellent grip in slick conditions
- Hi-Vis yellow "Be safe, be seen!"
- Poly/cotton allows for ventilation

Style #	A.C.T. No. S	M	L	XL	Special Price $/pr
330	330-S*	330-M*	302664	302665	5.17

*Manufacturer part number listed

357 Stealth Dog Fight

- HPPE shell with ANSI A4 cut resistance for superior protection
- Sandy nitrile finish
- Seamless knit shell with open back design keeps hands cool and comfortable
- Extended snug-fitting seamless knit wrist keeps out dirt and debris

Style #	A.C.T. No. S	M	L	XL	XXL	Special Price $/pr
357	318096	307581	291087	291088	357-XXL*	12.54

*Manufacturer part number listed

390 Stealth Original

- Exceptionally strong nitrile coating with a textured grip has excellent abrasion and puncture resistance; handles well in oil slick applications
- Open back design, seamless knit shell keeps hands cool and comfortable
- Ergonomically formed to help reduce hand fatigue
- Extended snug-fitting seamless knit wrist keeps out dirt and debris

Style #	A.C.T. No. S	M	L	XL	XXL	Special Price $/pr
390	285916	249996	264119	279150	390-XXL*	2.36

*Manufacturer part number listed

'Flextime' Gloves

- Smooth full-grain goatskin leather palm is hard wearing and durable providing great dexterity
- Spandex stretch back is flexible and provides form-fitting memory
- Leather hooded fingertips and reinforced thumb for additional padding and protection

Style #	A.C.T. No. S	M	L	XL	XXL	Special Price $/pr
005	312281	250445	249707	247999	285600	11.73

'Blue Steel' Gloves

- Lightweight cotton fleece lining keeps hands warm in cold conditions and offers additional protection in heat related applications
- Durable split-grain cowhide leather with seamless back for a comfortable wear
- Classic gunn cut design has seams set away from the working area for comfort and wing thumb for flexibility

Style #	A.C.T. No.	Special Price $/pr
2759	249146	8.93

359 Stealth Stinger

- 15gg fine gauge HPPE, nylon, glass, and lycra shell is cut resistant offering superior protection and durability while providing maximum dexterity
- Lightweight polyurethane coated palm for a sure-grip
- Ergonomically formed to reduce hand fatigue
- Snug-fitting knit wrist keeps out dirt & debris

Style #	A.C.T. No. M	L	XL	XXL	Special Price $/pr
359	300510	300682	307575	359-XXL*	8.78

*Manufacturer part number listed

336 Stealth Vapor

- Kool Knit™ performance yarn
- PFT™ (Premium foam technology) coating
- Ergonomically formed
- Treated with Actifresh®
- Snug-fitting knit wrist

Style #	A.C.T. No. M	L	XL	XXL	Special Price $/pr
336	325489	320952	325779	336-XXL*	5.17

*Manufacturer part number listed

2755 Tigger

- Reversed-grain cowhide leather stitched with Kevlar® thread for strength and durability
- Clute cut design with straight thumb offers comfort and flexibility
- Leather back patch, reinforced thumb saddle, and pulse protector for added reinforcement and protection
- Gauntlet style cuff with leather gore for additional wrist and forearm protections
- Unlined

Style #	A.C.T. No. S	M	L	XL	Special Price $/pr
2755	317081	276369	274530	275619	15.49

2757 Fabulous Fabricator

- Smooth full-grain cowhide leather palm and split cowhide leather back for strength and durability
- Cotton fleece lined palm offers added protection in heat related applications
- Classic gunn cut with wing thumb has seams set away from working area of fingers for a comfortable fit
- Full leather index finger, welted seams and pulse protector for additional reinforcement and protection
- Gauntlet style cuff with leather gore for additional wrist and forearm protection

Style #	A.C.T. No. S	M	L	XL	Special Price $/pr
2757	265160	167999	167998	307574	11.07

9238 Fire Brand

- Cotton fleece lining keeps hands warm in cold conditions
- Split-grain cowhide leather stitched with Kevlar® thread offers excellent strength and durability
- Gunn cut design with wing thumb for flexibility and a comfortable wear
- Welted seams for reinforcement and added protection against sparks
- Gauntlet style cuff for additional wrist and forearm protection

Style #	A.C.T. No.	Special Price $/pr
9238	141044	9.22

104X Guard'n Duty

- Split cowhide leather for strength and durability with breathable cotton drill back for a comfortable wear
- Full leather index finger, hooded fingertips, knuckle bar and pulse protector for added reinforcement and protection
- Snug-fitting outside elastic wrist with slip-on style safety cuff for easy on/off

Style #	Size	A.C.T. No.	Special Price $
104X	OS	264851	3.69

2735 Mad Cow

- Reversed-grain cowhide leather stitched with Kevlar® thread for strength and durability
- Clute cut design with straight thumb offers comfort and flexibility
- Leather back patch, reinforced thumb saddle, and pulse protector for additional padding and protection
- Gauntlet style cuff with leather gore for additional wrist and forearm protections
- Unlined

Style #	A.C.T. No. M	L	XL	Special Price $/pr
2735	299013	272619	299529	15.42

1050 Two Timer

- Premium heavyweight split cowhide leather
- Cotton drill back
- Inside double leather palm
- Outside elastic wrist
- Slip-on style safety cuff

Model No.	Type	A.C.T. No.	Special Price $
1050	Safety cuff, dbl-palm, 2-timer	253134	11.07

A281BB Econo Grain

- Smooth full-grain cowhide leather with breathable cotton drill back for a comfortable wear
- Patch palm offers additional padding and reinforcement in critical wear area
- Full leather index finger, pulse protector,knuckle bar hooded fingertips adding protection and reinforcement
- Snug-fitting shirred elastic wrist with slip-on style safety cuff for easy on/off

Style #	Size	A.C.T. No.	Special Price $
A281BB	OS	264121	4.80

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Grease Monkey Gloves

- 5 mil powder free nitrile is exceptionally durable with superior abrasion and puncture resistance, works well in oil slick applications.
- Extended 9.5" rolled cuff
- CFIA Approved

Packaged 100 gloves per box.

Style #	A.C.T. No. M	L	XL	XXL	Special Price $/Box
5554PF	263346	256431	256432	277493	22.31

8888PF 360º Total Coverage

- 5 mil blue nitrile offers superior strength with excellent resistance to punctures and tears, chemically resistant to oils, solvents and grease
- Powder free
- Rolled cuff prevents liquid from getting inside the glove and adds extra strength to the cuff
- CFIA Approved
- Non-sterile, ambidextrous fit

Packaged 100 gloves per box.

Style #	A.C.T. No. S	M	L	XL	XXL	Special Price $/Box
8888PF	281216	281217	275814	281218	301055	15.30

Grease Monkey Gloves

- 8 mil heavyweight, powder free nitrile is exceptionally durable with superior abrasion and puncture resistance
- Extended 11" rolled cuff for greater strength and higher wrist protection
- CFIA Approved

Packaged 50 gloves per box.

Style #	A.C.T. No. M	L	XL	XXL	Special Price $/Box
5555PF	257753	244116	249692	292628	24.55

Disposable Nitrile Gloves - Powder Free

- 5 mil Nitrile, powder free, Black
- Protects against chemicals and abrasives
- CFIA certified
- Textured finger tips for better grip
- Length: 9.5" (240mm) with beaded cuff

Packaged 100 gloves per box.

Style #	A.C.T. No. S	M	L	XL	Special Price $/Box
TGG -120	343298	343299	343300	343301	14.37

Black Nitrile Gloves - Powder Free

- 4.5 mil powder free nitrile is exceptionally durable with superior abrasion and puncture resistance, works well in oil slick applications.
- Extended 9.5" rolled cuff
- CFIA Approved

Packaged 100 gloves per box.

Style #	A.C.T. No. S	M	L	XL	Special Price $/Box
34605	256691	253464	252867	252866	17.69

Nitrile Gloves - Powder Free

- 4 mil Highly puncture resistant
- Excellent sensitivity, dexterity and extreme comfort
- Protects against wide range of chemicals

Packaged 100 gloves per box.

Type	A.C.T. No. S	M	L	XL	Special Price $/Box
34600	333251	333252	333253	333254	15.38

Black Forte™ Disposable Nitrile Gloves (Blue)

- 8 mil Multipurpose, and lightweight
- Liquid-proof
- Ambidextrous
- Latex-free; powder-free
- 3x Stronger than latex/vinyl
- Textured finger tips for better grip, and extended cuff lengths for better protection
- Extra heavy-duty black nitrile; reference specification for size L: 11 g (+/- 0.3g) (8 mil thick)

Packaged 50 gloves per box.

Style #	A.C.T. No. M	L	XL	Special Price $/Box
34606	337532	325319	325320	16.95

Disposable Nitrile Gloves - Powder Free

- 4Mil Nitrile, powder free, Light Blue
- Protects against chemicals and abrasives
- CFIA certified
- Textured finger tips for better grip
- Length: 9.5" (240mm) with beaded cuff

Packaged 100 gloves per box.

Style #	A.C.T. No. S	M	L	XL	Special Price $/Box
TGG -107	343294	343295	343296	343297	12.33

Tuff Grade Nitrile Gloves available from stock end of June 2022

Grain Leather Fitter Glove Patch Palm

- Fitters glove
- Grain leather provides excellent comfort, durability and strength
- Patch / Two-piece palm
- Rubberized safety cuff for extended wrist protection
- Breathable cotton back provides ventilation for user comfort
- Cotton lined

Style #	Size	A.C.T. No.	Special Price $
TGG-400-L	Large	242704	4.28
TGG-400-XL	X-Large	TGG-400-XL*	4.68

Manufacturer part number listed

Split Leather Fitter Glove, Full Palm

- Fitters glove
- Split leather provides excellent comfort, durability and strength
- Patch / two-piece palm
- Rubberized safety cuff for extended wrist protection
- Breathable cotton back provides ventilation for user comfort
- Cotton lined palm for comfort

Style #	Size	A.C.T. No.	Special Price $
TGG-414-L	Large	TGG-414-L*	2.98

Manufacturer part number listed

Welding Glove Split Buffalo

- Made of split buffalo hide leather
- Kevlar Stitching with welted seams for added durability
- Heat and flame resistant
- Fully lined
- Gunn cut with gauntlet cuff for maximum protection
- One Size Fits All

Style #	Size	A.C.T. No.	Special Price $
TGG-503-L	Large	306149	7.26

Welding Glove Split Buffalo

- Made of split buffalo leather
- Velcro wrist band for secure fit
- Welted seams for added durability
- Heat and flame resistant
- Fully lined
- Gunn cut with gauntlet cuff for maximum protection
- One Size Fits All

Style #	Size	A.C.T. No.	Special Price $
TGG-504-L	Large	306150	10.35

Grain Leather Fitter Boa Lined Glove

- Fitters glove
- Split leather provides excellent comfort, durability and strength
- Full / one-piece palm
- Rubberized safety cuff for extended wrist protection
- BOA lined

Style #	Size	A.C.T. No.	Special Price $
TGG-412-M	Medium	TGG-412-M*	6.26
TGG-412-L	Large	TGG-412-L*	7.77
TGG-412-XL	X-Large	TGG-412-XL*	8.11

Manufacturer part number listed

Split Leather Fitter Glove, Patch Palm

- Split leather provides excellent comfort, durability and strength
- Breathable cotton back provides ventilation for user comfort
- Patch / two-piece palm
- Rubberized safety cuff for extended wrist protection
- Cotton lined palm for comfort
- Fitters glove

Style #	Size	A.C.T. No.	Special Price $
TGG-416-S	Small	293954	2.11
TGG-416-L	Large	234701	2.28

Tuff Grade Tig Welding Glove 5"Cuff

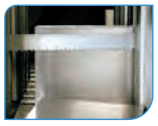
- TIG welder's glove
- Made of goat skin leather
- Welted seams for added durability
- Heat and flame resistant
- Fully lined
- Gunn cut with gauntlet cuff for maximum protection
- One Size Fits All

Style #	Size	A.C.T. No.	Special Price $
TGG-505-L	Large	306151	9.88

Online
www.ACTEquipment.com
Surrey
Phone: (604) 294-6271
Toll Free: 1 (800) 667-1504
Edmonton
Phone: (780) 462-1777
Toll Free: 1 (800) 661-5979

A.C.T. Blade Aide Sawing Coolant

A.C.T. BLADE AIDE is a full synthetic cutting fluid concentrate for bandsaw blades. Manufactured in Canada by Oemeta, A.C.T. BLADE AIDE is designed to be used when cutting both ferrous and non ferrous metals.



Model No.	Size	A.C.T. No.	Special Price $
Blade Aide 4*	4L	225429*	50.77
Blade Aide 4*	4 x 4L	225429*	47.22
Blade Aide 20	20L	225430	182.61
Blade Aide 205	205L	225431	1540.43

When placing order, please specify Single Jugs or Case of 4.

NOVAMET 100

- ***For all metal machining applications***
- Particularly recommended for aluminum and aluminium alloys chipping
- Longer sump life due to its high micro-biological stability
- Its high washing and flushing power ensures cleaner machines and work pieces
- Low foaming even with water hardness from 5°
- Excellent protection against corrosion

Model No.	Size	A.C.T. No.	Special Price $
40870243	20kg Pail	234503	257.54
40870242	200kg Drum	235495	2306.36

NOVAMET 872

- ***High lubricity for light, medium and severe applications***
- Robust biostability
- Low consumption combined with high wash activity
- Excellent corrosion protection
- Excellent foam behavior
- Extended sump life
- ***Most advanced formulation without chlorine based additives***

Model No.	Size	A.C.T. No.	Special Price $
40870233	20kg Pail	219464	238.99
40870232	190kg Drum	219465	2121.06

NOVAMET 900

- ***Excellent material compatibility on steel, yellow metals, aluminum alloys and magnesium***
- Robust biostability
- Low consumption combined with high wash activity
- Excellent corrosion protection
- Excellent foam behavior
- Extended sump life
- ***Most advanced formulation without chlorine, sulphur or phosphorus based additives. Boron free.***

Model No.	Size	A.C.T. No.	Special Price $
40878113	20kg Pail	219462	278.70
40878112	200kg Drum	219463	2534.63

NOVAMET 910

- ***A semi synthetic coolant safe for all materials, including light metals such as 7000 series aluminum.***
- ***Provides amazing lubricity & stability without the use of formaldehyde!***
- Great Material Compatibility
- Lower Consumption
- Excellent Safety
- Low Residue Behavior
- Excellent Lubricity & Corrosion Protection
- Chlorine Free
- Extended Sump Life

Model No.	Size	A.C.T. No.	Special Price $
40875243	20kg Pail	294593	317.33
40875242	200kg Drum	296944	2935.41

UNIMET AS260

- ***Excellent machining performance with ferrous and yellow metals***
- ***Most advanced formulation without chlorine, sulphur or phosphorus based additives***
- Low consumption combined with high wash activity
- Robust biostability
- Excellent corrosion protection
- Excellent foam behavior
- Extended sump life

Model No.	Size	A.C.T. No.	Special Price $
40241153	20kg Pail	219466	227.81
40241152	200kg Drum	219467	1994.94

FRIGOMET - Oil Free for Grinding

Fully Synthetic, Boron Free, Lower Cost, All metal compatible

FRIGOMET BF 600 is a transparent high-performance product free of oil. The product is suitable for standard to medium machining applications (e.g. turning, drilling and milling) with steel and non-ferrous metals. is a transparent high-performance product free of oil. The product is suitable for standard to medium machining applications (e.g. turning, drilling and milling) with steel and non-ferrous metals. Its excellent flushing and wetting performance provides an efficient removal of chips and swarf. This qualifies the product especially for high performance grinding operations.

Model No.	Description	Size	A.C.T. No.	Special Price $
40460113	Oil free product for grinding and light to medium general machining of ferrous and non-ferrous materials.	20kg Pail	219468	237.94
40460112		200kg Drum	219469	2137.44

HYTAP Tapping Paste

Oemeta The Coolant Company

- Extreme high viscosity (creamy texture)
- Free from mineral oil, silicon and chlorinate
- Suitable for cast iron, steel, high-alloyed steel, aluminum, yellow metal, titanium and carbide
- Outstanding lubricating performance results in reduced tool wear and increased machine productivity
- Broad application area (e.g. drilling, milling)
- Excellent adhesion direct on the cutting edge
- Self emulsifying, easy to clean parts with aqueous media
- Easy application: Simply apply directly on tool/ working area
- Compatible to Oemeta coolants

Model No.	Description	Size	A.C.T. No.	Special Price $
40741067	High end tapping paste with extreme EP additives. After use can be washed off in water to make for easy clean up. Can also be used to strengthen a water-soluble coolant, simply add to coolant and allow to emulsify. Designed for brushing on tap.	250 ml	296947	22.00
40741066		500 ml	290392	30.61

ADDI-PROX AF/C Defoamer

Oemeta The Coolant Company

External influences and chip removal can cause the loss of certain ingredients. Thus, for the best use of Oemeta's cooling lubricants, we recommend using a specific additive if required.

Control additives maintain an optimum level of the emulsion's or the machining oil's property parameters. Consequently, the performance and the machining result are ensured, and the service life of the cooling lubricant is extended. Oemeta provides a range of control additives named ADDI-PROX for the maintenance and specific adjustment of properties. These are perfectly matching Oemeta's cooling lubricants.

Model No.	Description	Size	A.C.T. No.	Special Price $
40003005	Sump Cleaner to use with water soluble coolants. Add at 1-2% by volume to existing coolant in sump. Machine as normal for 8 hours to 3 days and then clean out machine and recharge with fresh coolant.	1 Litre	223657	20.03
40003004		4 Litre Jug	40003004*	50.84

Manufacturer part number listed

ADDI-PROX SC/F Sump Cleaners

Oemeta The Coolant Company

ADDI-PROX SC/F is a water-miscible system cleaner. Oil residues, debris, bacteria, fungi or any other dirt will be removed from the machine, if cleaned with ADDI-PROX SC/F before a new filling with water- miscible cutting fluids. This ensures optimal conditions for the cutting fluid.

- Compatible with all cutting fluid systems (stand-alone machines or central system)
- High washing and flushing action ensures cleaner machines
- Disinfection of the system
- Cleans out all kinds of residues
- Excellent material compatibility
- Easy-to-use
- Is to be removed together with the old cutting fluid

Model No.	Description	Size	A.C.T. No.	Special Price $
40310015	Sump Cleaner to use with water soluble coolants. Add at 1-2% by volume to existing coolant in sump. Machine as normal for 8 hours to 3 days and then clean out machine and recharge with fresh coolant.	1 Litre	219472	17.79
40310014		4 Litre Jug	253329	56.36

HYTAP Tapping Fluid

Oemeta The Coolant Company

- High lubrication effectively prevents tool wear
- High viscosity simplifies the manual application to tool or work piece
- ***Self-emulsifying, easy-to-clean parts with aqueous media***
- NO NEGATIVE INFLUENCE ON THE COOLANT

Model No.	Size	A.C.T. No.	Special Price $
42741006	1/2 litre	219470	19.25
42741005	Litre	219471	26.51
42741004	4 lit Jug	293498	87.58
42741003	18kg Pail	297786	318.23

HYCUT SW 68 Slideway Oil

Oemeta The Coolant Company

- Is based on Synthetic Bio-renewable Oils.
- Excellent wear protection and coolant compatibility.
- HYCUT® SW 68 is high performance machine oils based on synthetic ester oils with high lubrication performance.
- HYCUT® SW – product range features excellent lubricating as well as outstanding adhesive power.

Model No.	Description	Size	A.C.T. No.	Special Price $
48368003	Standard SW 68 weight slide way oil for machine tools	5 Gallon Pail	235458	155.54
48368002	Standard SW 68 weight slide way oil for machine tools	170kg Drum	241550	1351.79
40701283	Hycut SW 68 weight way lube oil for machine tools Emulsifies and becomes Power Component (Oil) in coolant.	6 Gallon Pail	220366	316.09
40701282	Hycut SW 68 weight way lube oil for machine tools Emulsifies and becomes Power Component (Oil) in coolant.	190kg Drum	264235	2927.60
48332003	Standard AW 32 weight anti-wear hydraulic oil for machine tools.	5 Gallon Pail	257260	139.74
48332002	Standard AW 32 weight anti-wear hydraulic oil for machine tools.	54 Gallon Drum	233869	1186.65

Cleaner EC

Oemeta The Coolant Company

- Alkalescent Cleaner
- Easy handling; low foaming
- Good corrosion protection due to special inhibitors
- ***Free of phosphate, and bio-degradable***
- ***Compatible with emulsions and solutions,*** WITH NO NEGATIVE INFLUENCE ON THE COOLANT

Model No.	Size	A.C.T. No.	Special Price $
40317005	1 Litre Spray Bottle	262959	13.28
40317004	5 Litre Jug	264472	31.15
40318003	20 Litre Pail	277288	259.37

Mixers

Model No.	Product	Description	A.C.T. No.	Special Price $
60999879	OEMETA MIXER	Venturi style mixer with 0-16% range. Includes vacuum break to eliminate syphoning of coolant on to floor. Solid machined piece.	288327	439.78
60300004	DOSATRON MIXER 1-10%	Volumetric Mixer, extremely acurate and is not effected by most water pressure ranges. Easy to use dial from 1-10%.	270956	2210.45

Skimmers

Model No.	Product	Description	A.C.T. No.	Special Price $
60300220	OEMETA SKIMMER 1	Belt Style Mixer with easy to install magnetic base. 110V power supply	289885	564.92
60300221	OEMETA SKIMMER 2	Belt Style Mixer with easy to install magnetic base, plus built in separator to keep good coolant in and tramp oils out. 110V power supply	293365	618.14

Refractometer

Model No.	Product	Description	A.C.T. No.	Special Price $
60300250	OEMETA REFRACT	Easy to use refractometer with 0-18% range for use with all synthetic, semi-synthetic and soluble oil coolants.	226720	161.24

Test Strips

Model No.	Product	Description	A.C.T. No.	Special Price $
60999293	EASY CHECK TEST STRIP TUBE	Simple test strip to measure concentration of coolant while ignoring tramp oils. Allows for better control of all Oemeta coolants.	219473	53.43

Floor-Dry Absorbent

Floor-Dry Premium Oil Absorbent is made of 100% Diatomaceous Earth (DE) and is an all-purpose absorbent designed for the quick clean up of water, oil and grease. Made from Diatomaceous Earth, a naturally occurring mineral with superior absorptive ability, this high quality product delivers 50% more absorbency per pound than clay alternatives.

- Absorbs more liquid per bag than the competition
- Using less material saves time and money
- Environmentally friendly and safe for landfill disposal
- **Non-WHMIS Controlled**
- Promotes safety by reducing slip hazards

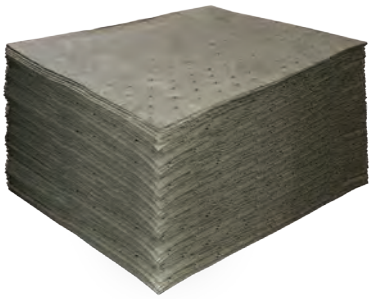
Product	Oil Absorbtion % by Weight	No. of Liters Absorbed Per Bag	No. of Liters / Product to Absorb 1 Litrer Oil
9.1kg	90	8.8	2.4

A.C.T. No.	Quantity	Surrey Branch Price $
267679	1 - 5 Bags	16.17
	6 - 10 Bags	15.65
	11 - 20 Bags	15.16
	21 - 30 Bags	14.70
	31 - 55 Bags	14.27
	56 + Bags	13.86

PRICES VARY BY BRANCH LOCATION DUE TO SHIPPING COSTS, PLEASE CHECK WITH YOUR LOCAL A.C.T. BRANCH FOR PRICE

Grey Universal Sorbent Pads

- Universal absorbency – used for both oil and water-based liquids
- Perforations allow you to use only what you need
- Fast-wicking power
- Quickly absorbs leaks, spills and overspray to keep floors dry
- Perfect for light-duty industrial, maintenance and general applications
- Ideal for catching leaks and soaking up spills



Style	Size	Absorbtion	Pkg Qty	A.C.T. No.	Special Price $
Pad	15" x 18"	25.6 oz. per pad	100	321821	68.60

Fast Orange Fine Pumice Lotion Hand Cleaner

Permatex®

Fast Orange is the #1 selling biodegradable, waterless, petroleum solvent-free hand cleaner. It contains no harsh chemicals, mineral oils or ammonia that can sting cuts and abrasions. Pure, fresh-smelling natural citrus power does the cleaning while aloe, lanolin, glycerin and jojoba condition and protect skin. Fast Orange gently deep cleans the toughest soils. Works great on laundry stains, scuff marks, tile floors, pet odors and many other household cleaning needs.

Model No.	Description	A.C.T. No.	Jug Quantity	Special Price $
20861	Fast Orange® Pumice Lotion with Pump - 3.78L Bottle	187697	1 - 3	21.00
20861		187697	4 +	18.99

Spray Nine

Cleans, degreases and disinfects like a pro.

Model No.	Description	A.C.T. No.	Special Price $
C13532	Spray Nine Industrial Cleaner /Degreaser 946ML	254795	10.68
C26832	Spray Nine Multi Purpose Cleaner 946ML	287037	11.90
C26804	Spray Nine Multi Purpose Cleaner 4L	287038	29.45
C13504	Spray Nine Industrial Cleaner 4L	317008	28.55

Econo 897 Allround-Paste

Suitable for tapping and metal cutting applications, from very small to large workpieces. Paste clings to tap or cutter when higher RPM's are involved. Versatile & Economical!

Size	A.C.T. No.	Special Price $
8.8 oz/250 G	60264	23.56
26.4 oz/750 G	65415	53.85
11.023 lbs/5 KG	115473	250.24

E-Weld Nozzle™ Kit

Long-Lasting ceramic anti-spatter for welding nozzles

Reduce your downtime, save money & increase productivity. E-WELD NOZZLE is a ceramic anti-spatter that protects welding nozzles for an entire 8-hour shift. With 2-3 times the active ingredients of competitive products, E-WELD NOZZLE provides unrivaled protection of welding nozzles in manual, fully or semiautomated MIG welding applications.

- 2-3 times the active ingredients of competitive products
- Just one application lasts up to 8 hours
- Effective up to 1832° (1000 °)
- Exclusive application ensures a thin and even coat
- Less downtime and maintenance
- Exclusive applicator ensures no wasted product

Model No.	Description	A.C.T. No.	Special Price $
53-F 912	E-Weld Nozzle Kit	291744	54.01

** Manufacturer part number listed*

Oemeta Hytap Paste

Water-soluble for easy cleaning. Works with regular machining fluid,does not become tramp oil.

Model No.	Size	A.C.T. No.	Special Price $
40741067	Tapping Paste 250ml (8oz)	296947	22.00
40741066	Tapping Paste 500ml (16oz)	290392	30.61

Layout Fluids

- Blue Layout Ink provides a smooth, even, fast-drying coat for tool and die makers and production layout work.
- Layout Fluid Remover is formulated to remove blue, red, and most other layout fluids. Leaves no residue and eliminates the use of daubers and brushes.

Blue Layout Ink

BUY MORE SAVE MORE!

Layout Fluid Remover

Model No.	Description	A.C.T. No.	Quantity	Special Price $ Per Box
6001	Blue Layout Ink 12 oz Aerosol	339232	1 - 11	11.85
			12 +	10.85
6095	Layout Fluid Remover 10.5 oz Aerosol	341586	1 - 11	10.95
			12 +	9.98

Tapping Fluid

HDS-400 is suitable for all materials and can be used when tapping, threading, cutting, drilling, reaming, drawing, etc. ***HDS-400*** has a medium viscosity. Oil clings to tap and is very safe.

Size	A.C.T. No.	Special Price $
250 ml	60259	16.50
1.3 GAL US/ 5 L	314070	129.10
5 GAL US/ 20 L	66230	506.11

Jokisch LB 100 anti spatter

- Stops spatter on steel, stainless and alloys.
- Leaves no sticky gummy residuals.
- Does not inhibit painting or galvanizing.
- Creates no hazardous fumes.

ANTI-SPATTER - Premixed

Model No.	Size	A.C.T. No.	Special Price $
JK-C-LB1-000-400	14 oz. Aerosol Spray	327166	12.83
JK-C-LB1-00P-004	4 Liter Jug	73443	55.40
JK-C-LB1-00P-020	20 Liter Pail	120441	195.11
JK-C-HSL-100-502	EMPTY Plastic Spray Bottle & Head	328459	12.67

Rapid Tap - Cutting Fluid

Size	A.C.T. No.	Special Price $
4 oz/118 ml	94535	4.83
16 oz/455 ml	94536	11.69
1 GAL US/4 L	94537	68.57

A-9 - Cutting Fluid

Size	A.C.T. No.	Special Price $
4 oz/118 ml	53122	3.62
16 oz/455 ml	52809	10.47
1 GAL US/4 L	52811	62.11

Pistol Pump Oilers

GOLDENROD

These oilers feature a seamless, brushed aluminum body and the GoldenRod zinc die cast high pressure pump with precision ground piston.

Model No.	Capacity	Spout Type	A.C.T. No.	Special Price $
600S	6 oz. / .18L	Straight	107310	13.59
606S	5 oz. / .15L	Flexible	107312	15.11

LED Machine Lamps – Coolant Proof IP65

Quality IMPORT

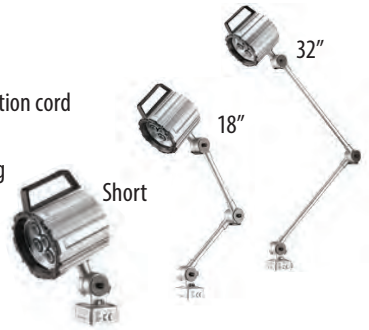
- 12W LED lamp (6 x 2W LEDs)
- Standard light beam angle: 60º
- Impact resistant clear lens
- Supplied with 1.8 meter power connection cord
- Expected lamp life of 40,000 hours
- Handle on head allows easy positioning
- Working temperature range: -30ºC to +60ºC

Model No.	Reach (Inch)	A.C.T. No.	Special Price $
302992	Short	326596	259.01
302993	Medium 18"	3328111	270.66
302994	Long 32"	324433	275.82

LED Machine Lamps – Coolant Proof IP65

Quality IMPORT

- 12W LED lamp (6 x 2W LEDs)
- Standard light beam angle: 60º
- Impact resistant clear lens
- Supplied with 1.8 meter power connection cord
- Expected lamp life of 40,000 hours
- Handle on head allows easy positioning
- Working temperature range: -30ºC to +60ºC



Model No.	Reach (Inch)	A.C.T. No.	Special Price $
302995	Short	326429	250.57
302996	Medium 18"	327930	262.65
302997	Long 32"	331861	267.42

Industrial Pump Oilers

GOLDENROD

These pumps are durably constructed for hard service. The drawn steel containers have double seamed bases and a spout which is removable from the plated top cap and handle assembly.

Model No.	Capacity	Spout Type	A.C.T. No.	Special Price $
700	12 oz. / .35L	Straight	125164	24.19
707	12 oz. / .35L	Flexible	107155	24.19
727	16 oz. / .47L	Flexible	107156	29.96
737	32 oz. / .95L	Flexible	107157	39.23

Spouts for Extra Heavy Duty Oiler

GOLDENROD

Choose a heavy duty straight, angled or flexible spout with a durable brass tip (except flexible spout).

Model No.	Length	Spout Type	A.C.T. No.	Special Price $
301014	8"	Straight	179437	10.99
301017	8"	Angled	141478	10.99
301164	8"	Flexible	126321	6.56
301024	10"	Flexible	178825	10.99

Valve Action Paint Markers

Markal®

These markers mark with real paint, and dry in 3 minutes. The nib releases paint as needed for continuous marking on all surfaces including: metal, wood, glass, plastic, rubber, cardboard, and paper.

Color	A.C.T. No.	Special Price $
Aluminum	173674	4.95
Black	89510	4.95
Blue	133261	4.95
Green	133260	4.95
Red	99470	4.95
White	89506	4.95
Yellow	89507	4.95

B Paintstik Markers

Markal®

These markers mark on any material, surface or texture. Made from real paint in stick form, they are weather-resistant and UV-resistant. They are ideal for layout, color coding, fabrication and identification.

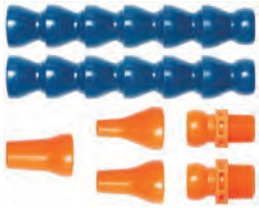
Color	A.C.T. No.	Special Price $
Black	67522	2.25
Red	67521	2.25
White	67523	2.25
Yellow	67520	2.25

Loc-Line Systems – Coolant Hoses & Accessories

Loc-Line's unique ball and socket design is fully hand adjustable in both position and length. Bending and flexing hose assemblies does not decrease the inside diameter and won't kink or fatigue like copper tubing. Unlike metal hoses, Loc-Line will not damage machine tool cutters if contact occurs. It is electrically non-conductive, which makes it ideal for use as an EDM flushing hose. It has no internal positioning rod that can break or restrict fluid flow. Acid resistant hose systems are also available.

Starter Kits

Diameter	Model No.	Includes		A.C.T. No.	Special Price $
1/4"	40413	2 of 1 each 1 each	1/4"D x 5.3/4"L Hose Segment 1/4", 1/8" & 1/16" Nozzle 1/4"NPT & 1/8"NPT Male Connector	53166	16.36
1/2"	50813	2 of 1 each 1 each	1/2"D x 5.1/2"L Hose Segment 1/4", 3/8" & 1/2" Nozzle 3/8"NPT & 1/2"NPT Male Connector	53181	18.43
3/4"	60513	2 of 1 each 1 of	3/4"D x 5.3/4"L Hose Segment 5/8" & 3/4" Nozzle 3/4"NPT Male Connector	120195	22.81

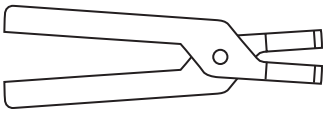


Hose Segments & Coils

Diameter	Model No.	Includes		A.C.T. No.	Special Price $
1/4"	41401	2 of	1/4"D x 5.3/4"L Hose Segment	53171	12.32
	49420	1 of	1/4" Bulk Hose Segments 25'	72881	270.80
	49421	1 of	1/4" Bulk Hose 50' Coil	73200	541.56
1/2"	51801	2 of	1/2"D x 5.1/2"L Hose Segment	53182	13.87
	59860	1 of	1/2" Bulk Hose Segments 25'	72814	320.77
	59861	1 of	1/2" Bulk Hose 50' Coil	183764	641.53
3/4"	61501	2 of	3/4"D x 5.3/4"L Hose Segment	68564	17.29
	69540	1 of	3/4" Bulk Hose Segments 25'	125057	374.95
	69541	1 of	3/4" Bulk Hose 50' Coil	183767	749.84

Hose Assembly Pliers

Diameter	Model No.	Includes		A.C.T. No.	Special Price $
1/4"	78001	1 of	1/4" Hose Assembly Pliers	70556	22.81
1/2"	78002	1 of	1/2" Hose Assembly Pliers	110275	22.81
3/4"	78004	1 of	3/4" Hose Assemply Pliers	205513	29.07



**Manufacturer part number listed*

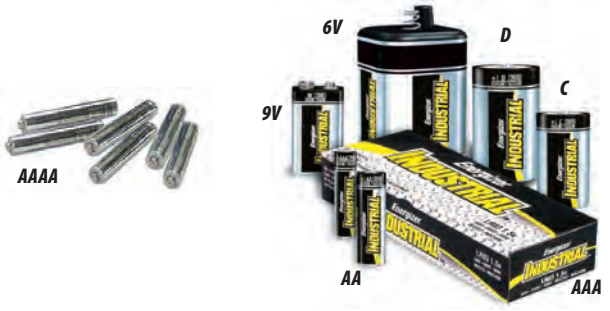
Metal Flex Hose Mist Coolant Systems

These units are suitable for use on machining centers, milling machines, drilling machines, grinding machines and any other machine where cooling of work piece and cutter is needed. Designed to improve cutting speeds and extend tool life, they will typically ensure better quality finish to parts and higher performance from tooling.

Model No.	Holding Power	Hose Length	Mag Base (mm)			A.C.T. No.	Special Price $
			L	W	H		
ECE-323B	80 kg	500mm	60	50	55	146732	158.74

Alkaline Batteries

Energizer INDUSTRIAL



Size	PKG QTY	A.C.T. No.	Price $/ea. when buying Pkg Qty
AAAA	6	196908	1.95
AAA	24	247442	0.88
AA	24	247441	0.73
C	12	247443	1.59
D	12	247444	1.70
9V	12	247440	2.60

Shim Stock (6 x 100")

KAR

Thickness	Steel		Brass	
	A.C.T. No.	Price $	A.C.T. No.	Price $
.0010	67749	22.24	184981	29.78
.0020	67750	15.20	66926	30.90
.0030	172266	19.35	161512	31.89
.0040	185497	20.36	185489	33.53
.0050	67751	17.09	124197	34.78
.0060	68335	16.33	185490	35.78
.0070	174175	16.97	185491	37.52
.0080	185498	16.84	185492	39.51
.0090	185499	17.58	-	-
.0100	67752	19.74	124198	46.23
.0120	131050	19.24	185494	50.10
.0150	67753	18.21	124199	57.82
.0180	185502	22.61	-	-
.0200	66989	20.73	124200	65.30
.0250	67754	22.11	178299	78.14
.0310	111796	23.36	138821	92.35

*Manufacturer part number listed

M1 Industrial All-Purpose Lubricant

Starrett

This superior lubricant produces a micro-thin, air-tight coating that simultaneously dries as it protects, avoiding dirt, grime, etc., that other "wet" lubricants actually attract. The arosol can will spray upside down in awkward places without losing propellant power.

Description	A.C.T. No.	Special Price $
12 oz Aerosol Can	140547	11.35
1 gal. Can (3.75L)	128073	69.21

Utility Knives

OLFA

Rubber inset grip ratchet-lock utility Knife

The knife has a symmetrical design, so it can be use by both right- and left-handers. For cutting industrial materials such as gaskets, conduit, belt synthetics, rope, leather, laminates, plastics, fiberglass, rubber and textiles.

Model No.	Description	A.C.T. No.	Special Price $
H-1	25mm HB super heavy-duty snap-off blade	139615	17.09

The original heavy-duty cutter. Contoured handle includes a ratchet wheel blade locking mechanism. Uses any OLFA heavy-duty replacement blade.

Model No.	Description	A.C.T. No.	Special Price $
L-1	18mm LB heavy-duty snap-off blade	85769	10.83

Sure-grip heavy duty utility cutter featuring a ratchet wheel, blade locking mechanism and an anti-slip rubber grip insert. Uses any OLFA heavy-duty replacement blade.

Model No.	Description	A.C.T. No.	Special Price $
L-2	18mm LB heavy-duty snap-off blade	139610	12.89

7" Edge Scissors

Stainless steel blades with a symmetrical handle design for right- and left-hand use.

Model No.	Description	A.C.T. No.	Special Price $
SCS-2	7" Stainless Steel Serrated Edge Scissors	139618	36.42

18mm snap-off blades

OLFA

Replacement Blades For Knife Models	Pkg Qty	A.C.T. No.	Special Price $
L-1, L-2, NH-1, NH-AL	10	85770	8.30
L-1, L-2, NH-1, NH-AL	50	102466	32.26

25mm snap-off blades

OLFA

Replacement Blades For Knife Models	Pkg Qty	A.C.T. No.	Special Price $
HB-5B	5	139616	8.93
HB-20B	20	139617	30.51

WD-40

WD-40 not only lubricates, it also cleans and protects metal parts. It effectively penetrates to loosen rusted parts and sticky mechanisms. It also works well to drive moisture from undesired locations.

Size	A.C.T. No.	Special Price $
Bonus size 12.1 oz Aerosol	209098	10.87
3.78L Can	105876	54.95

Online
www.ACTEquipment.com
Surrey
Phone: (604) 294-6271
Toll Free: 1 (800) 667-1504
Edmonton
Phone: (780) 462-1777
Toll Free: 1 (800) 661-5979

Spring Balancers

ENDO
ENDO KOGYO CO.,LTD.

Endo: The Cadillac of Balancers!

Tapered drum for "Zero Point" balancing. Will balance in any position! Eliminates wear or damage to tools from dropping or continuous picking up and laying down. Also helps reduce operator fatigue and increases safety by keeping work area uncluttered.

Model No.	Capacity	Travel	A.C.T. No.	Special Price $
EK-00	1.1 - 3.3 lbs	1.6'	56672	58.10
EK-0	1.1 - 3.3 lbs	3.3'	56673	96.83
EW-3	2.2 - 6.6 lbs	4.3'	56674	134.32
EW-5	5.5 - 11.0 lbs	4.3'	56675	140.52
EWF-9	9.9 - 19.8 lbs	4.3'	187972	320.29
EWF-15	19.8 - 33.1 lbs	4.3'	187973	340.96
EWF-22	33.1 - 48.5 lbs	4.9'	169622	516.60
EWF-30	48.5 - 66.1 lbs	4.9'	173719	543.47

Spring Balancers

WESPRO POWER TOOLS

Eliminates wear or damage to tools from dropping or continuous picking up and laying down. Also helps reduce operator fatigue and increases safety by keeping work area uncluttered.

Model No.	Capacity	Travel	A.C.T. No.	Special Price $
SB600	.66 - 1.76 lbs	50"	128989	34.68
SB1200	1.3 - 3.3 lbs	50"	81936	34.68
SB3000	3.3 - 6.6 lbs	50"	81937	56.73

Work Light with Metal Guard

PRIME

- Metal Bulb Guard w/ Hanging Hook
- On/Off Switch in the Handle
- Grounded Outlet in the Handle
- Uses 75 Watt Type "A" Bulb (Bulb Not Included)

Model No.	Length	Color	Gauge	A.C.T. No.	Special Price $
TL010625	25'	Yellow	16/3	218232	29.08
TL010630	50'	Yellow	16/3	218233	42.42

Outdoor Extension Cords - Triple Tap

PRIME

- Water Resistant
- Flame Retardant
- Ultra Flexible
- Abrasion Resistant
- Nickel-Coated Brass Blades Resist Corrosion

Model No.	Length	AWG	A.C.T. No.	Special Price $
NS610725	25'	14/3	283202	38.60
NS610730	50'	14/3	283329	62.63
NS610735	100'	14/3	283330	115.65

Work Light with Convenience Outlet

PRIME

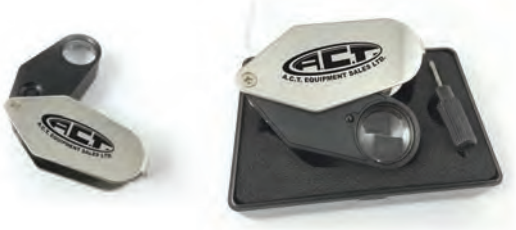
- Metal Bulb Guard w/ Hanging Hook
- On/Off Switch in the Handle
- Grounded Outlet in the Handle
- Uses 75 Watt Type "A" Bulb (Bulb Not Included)
- Oil, Water Resistant and Extra Abrasion Resistant

Model No.	Length	Color	Gauge	A.C.T. No.	Special Price $
TL020625	25'	Blue/Orange	16/3	322388	36.38

Illuminated Jewlers Loupe

- 21mm diameter, 10x magnification
- Comes in a case

Model No.	A.C.T. No.	Special Price $
SE MG21002A	300146	9.95



Magnetic End Hook 700 Series

- Magnetic End Hook is A Time-Saver for Framers, Hvac Installers and More
- Use for One-Man Measurments of Steel Framing and Drop Ceiling Grids
- Powerful Dual Magnets Can Also Serve As A Pick-Up Tool
- Non-Slip Co-Molded Rubber Grip
- Durable Abs Case Stands Up to the Toughest Work Site
- Non-Slip Rubber Blade Lock Button

700 Series

Model No.	Length	Width	A.C.T. No.	Special Price $
L725MAG	25'	1"	212660	18.31
L748MAG	8m / 26'	25mm 1"	327048	18.31

Hi-Viz® Orange Value Tape Measure

- Lightweight, High Strength, Case Fits Comfortably in Hand
- Hi-Viz® Case - Easy to Find on the Job
- Unique Slide Lock Design Allows for Easy Control of Tape Blade
- Wide Base Helps Keep Tape Standing Upright
- Clear Coat Blade Protection for More Durable Markings
- Easy-To-Read Yellow Clad Blade (Not Replaceable)

Hi-Viz®

Model No.	Length	Width	A.C.T. No.	Special Price $
L616N	16'	3/4"	193673	8.55
L616CMEN	5m / 16'	3/4" (19mm)	319547	8.55
L625N	25'	1"	193670	12.88
L625CMEN	8m / 25'	1" (25mm)	L625CMEN*	12.87

Manufacturer part number listed

Hi-Viz® Orange P1000 Tape Measure

- Hi-Viz Orange Case - Easy to Find on the Job
- Rubber Cushion Case Exterior Protects Tape From Impact and Improves Grip
- Fits Easily Into Most Tape Holsters
- Bright Yellow Blade Has Clear Easy-To-Read Numerals
- Toggle Lock is Positioned for Convenient Operation
- Holds the Blade Securely in Any Position
- Cushioned Blade Return
- Removable Belt Clip

Hi-Viz® Orange P1000

Model No.	Length	Width	A.C.T. No.	Special Price $
PHV1316N	16'	3/4"	283428	18.24
PHV1035CMEN	5m / 16'	19mm 3/4"	274276	18.60
PHV1425N	25'	1"	278036	23.64
PHV1048CMN	8m	25mm	281975	24.11
PHV1048CMEN	8m / 26'	25mm 1"	277214	24.11
PHV1430N	30'	1"	PHV1430N*	28.06
PHV1049CMEN	9m / 30'	25mm 1"	PHV1049CMEN*	28.58
PHV1433N	33'	1"	325798	28.08
PHV1410CMEN	10m / 33'	25mm 1"	339626	28.91

Manufacturer part number listed

Measuring Tape

- High impact ABS case with non-slip grip for longevity
- Thumb lock for quick lock / release function
- Belt clip for easy storage

Model No.	Length	Width	A.C.T. No.	Special Price $
TGTM-001	16'	3/4"	274361	4.45
TGTM-002	5m / 16'	3/4"	274363	4.45
TGTM-003	25'	1"	274365	7.05
TGTM-004	7.5m / 25'	1"	274366	7.05

Measuring Tape with Magnetic Tip

- High impact ABS case with non-slip grip for longevity
- Thumb lock for quick lock / release function
- Belt clip for easy storage

Model No.	Length	Width	A.C.T. No.	Special Price $
TGTM-005	16'	3/4"	342825	4.70
TGTM-006	5m / 16'	3/4"	287877	4.70
TGTM-007	25'	1"	287878	7.50
TGTM-008	7.5m / 25'	1"	304956	7.50

Online
www.ACTEquipment.com
Surrey
Phone: (604) 294-6271
Toll Free: 1 (800) 667-1504
Edmonton
Phone: (780) 462-1777
Toll Free: 1 (800) 661-5979

19" Closed Tool Bag with Hard Bottom

BAHCO — A Snap-on® Brand

- Full access to internal tools due to its wide mouth opening
- Combination of Denier 600 & 1680 polyester fabrics
- PP hard bottom for isolation and easy cleaning
- PVC overmolded zips for easy actioning even with gloves
- Padded shoulder strap with clicking adjustment
- Measuring tape, card and phone holder section
- Pockets, mini-pockets, elastics, dividers outside and inside the bag
- Spirit level adjustable holder straps

Model No.	Description	A.C.T. No.	Special Price $
4750FB2-19A	19" CLOSED TOOLD BAG WITH HARD BOTTOM	303461	65.00

Energizer® Hard Case® Professional Task Light

- Exceptionally durable Rugged ABS, steel and rubber construction
- Shatterproof lens
- Latest LED technology provides clear, bright light for tough jobs
- High and Low modes for brightness & runtime control
- Smart Dimming technology for customized light output and extended runtime
- Large push-button switch for easy operation, even with gloves
- Operates on 2 AA batteries (Includes 2 AA Energizer MAX® batteries)

Mode	Light Output	Run Time	Beam Distance	Impact Resistant	Water Resistant
High	300 Lumens	6.5 Hours	115 Meters	17 Meters	IPX4
Low	45	65 hours	45 meters	7 meters	IPX4

Medel No.	A.C.T. No.	Special Price $
TUF2AAPE	253386	19.95

LED Flashlight Hardcase

TUFF GRADE

- 160 Lumens
- 3-Way Function (low, high, strobe)
- Comes with belt holder & batteries
- Body ABS Plastic
- Bulb 1 NICHIA LED
- Operates on 2 AA batteries

Medel No.	A.C.T. No.	Special Price $
TGFL-101	334379	12.30

Carbide Point Scriber with Magnet

GENERAL

Overall length of 6". Tungsten carbide tip marks hard materials including hardened steel, ceramics and glass.

MADE IN USA

Scriber

Model No.	A.C.T. No.	Special Price $
88CM	59941	14.50

Toolroom Wheels and Accessories

NORTON — SAINT-GOBAIN

Model No.	Spec	Size	Wheel Type	A.C.T. No.	Special Price $
66252838322	39C60-IVK	6 x 1 x 4	Type 02 Cylinder Wheels	66618	168.52
66252838193	39C120-IVK	6 x 1 x 4	Type 02 Cylinder Wheels	94191	168.52
66252838308	32A46-KVBE	6 x 1 x 4	Type 02 Cylinder Wheels	82692	142.48
66252838309	32A60-JVBE	6 x 1 x 4	Type 02 Cylinder Wheels	62253	142.48
69014191860	ASD120-R75B99-1/16	6 x 3/4 x 1-1/4	Type 6A2C Straight cup – Diamond	103397	459.39
69014191665	SD220-R50B99-1/16	6 x 3/4 x 1-1/4	Type 6A2C Straight cup – Diamond	95949	423.85
66260195003	BC3M7	8" to 10"	Diamond NIB for GA8 Dressing Tool	102867	53.50

NOTE: When installing new wheels, check wheel for possible damage. Do not use a damaged wheel. With new wheel installed and all safety guards in place, and operator is standing away from front of grinder, run grinder for one minute before applying work.

66618

103397

GA7

Marking Sets - Sharp Face Characters

Young Bros. Stamp Works Inc. Since 1904

Steel type holders and stamps can be set up in any combination of letters or figures for marking serials, dates, or part codes in one easy stroke with perfect character alignment. May be purchased individually or as a complete marking set in a plastic case. Sets include letters, numbers, ampersand, slash mark, dash, period, comma, spacers and steel type holder. Round-face full characters are also available.

MADE IN USA

Model No.	Character Size	No. of Pieces	A.C.T. No.	Special Price $
11129	1/16"	112	121136	791.23
21129	3/32"	112	213675	799.05
31129	1/8"	112	133771	799.05
51069	3/16"	106	189183	892.90
61069	1/4"	106	189184	1300.90
81069	3/8"	106	213677	1659.36

Stamp Sets

Young Bros. Stamp Works Inc. Since 1904

These quality, economical, machine-made stamps give you more marks per dollar. Sharp characters in Gothic style ensure deep, clear impressions. Each stamp features a single thumb groove for better grip.

MADE IN USA

Size (in.)	Square Size	Length	Number Sets		Letter Sets		Combination	
			A.C.T. No.	Price $	A.C.T. No.	Price $	A.C.T. No.	Price $
1/16	1/4"	2.3/8"	100247	24.99	100246	72.78	96717	91.25
3/32	1/4"	2.3/8"	165317	24.99	141621	72.78	182010	91.25
1/8	1/4"	2.3/8"	69493	24.99	96634	72.78	118481	91.25
3/16	5/16"	2.7/16"	92198	29.33	92199	91.25	118482	114.06
1/4	3/8"	2.5/8"	96639	36.94	98228	109.72	118483	134.70
3/8	1/2"	2.7/8"	92200	52.14	92201	161.86	241555	209.65
1/2	5/8"	3.3/8"	97841	80.39	102608	240.07	255579	312.84

Chip Brush

TUFF GRADE

Model No.	Width	Length	Bristles	Handle	A.C.T. No.	Special Price $
TGB-1W	1"	1-1/2"	China, White	Wood	135043	0.58
TGB-1-1/2W	1-1/2"	1-1/2"	China, White	Wood	315652	0.74
TGB-2W	2"	1-1/2"	China, White	Wood	100138	0.86
TGB-3W	3"	1-1/2"	China, White	Wood	185107	1.44
TGB-4W	4"	1-1/2"	China, White	Wood	325030	2.20

Duct Tape

3M

This economy grade cloth duct tape has a polyethylene coated cloth backing that is moisture resistant.

Model No.	Width		Length		A.C.T. No.	Special Price $
	In.	mm	In.	mm		
3945 48mm	2"	48	187	55	141667	10.23

Temflex Electrical Tape

3M

This tape is temperature rated between 7°C and 80°C.

Width		Length		A.C.T. No.	Special Price $
In.	mm	ft.	m		
3/4"	18	60'	18.3	337109	1.53

Teflon Tape

TUFF GRADE

Model No.	Size	A.C.T. No.	Special Price $
10TT03	1/2" X 480	237292	0.75

Masking Tape - 2308

3M

- Designed for automotive trim paint masking.
- Clean removal from stainless steel, powder coatings and EPDM rubber.
- Conforms well around curves and irregular surfaces.
- Withstands temperatures up to 121°C (250°F) for 30 minutes.
- Natural rubber adhesive bonds instantly
- Good holding power to help resist lifting or curling

Width		Length	A.C.T. No.	Special Price $
In.	mm	m		
3/4"	18	55	222908	2.17
1"	24	55	195917	2.72
1.4"	36	55	221490	4.08
2"	48	55	195918	5.79

Masking Tape - 203

3M

- General purpose crepe tape provides solid coverage
- Sticks instantly to round and irregular surfaces.
- Clean removal from stainless steel and powder coated surfaces.
- Sliver resistant, hand tearable.
- Withstands temperatures up to 93°C (200°F) for 30 minutes.
- Natural color crepe paper backing with rubber adhesive.

Width		Length	A.C.T. No.	Special Price $
In.	mm	m		
1/2"	12	55	215227	4.42
3/4"	18	55	177816	5.90
1"	24	55	177192	7.36
1.4"	36	55	215228	11.04
2"	48	55	176723	14.73

Preconfigured Storage Cabinets

LISTA

The LISTA Advantage:

- Lockable cabinets: Safety, security, reduced shrinkage
- Ergonomic handles: Improved safety, appearance and ergonomics
- Housing supports slotted at 1" increments; easily reconfigured for maximum versatility
- Drawers, shelves and roll-out trays can be re-assembled in any sequence.
- 100% full extension drawers; Easy access and full use of the furthest corner of storage
- Fast, accurate identification of compartment contents and easier inventory control
- PrevenTip® interlock system; Added safety and security
- Bright Blue (Shown), other colours available

Counter Height Cabinets

- Shallow Depth
- 40 1/4" W x 22 1/2" D x 41 3/4" H
- Brite Blue
- With Locking System

$2,558.00

Model No.: XSHS0900-0501
F.O.B. Holliston Massachusetts

- 5 drawers
- 57 drawer compartments

$2,639.00

Model No.: XSHS0900-0604
F.O.B. Holliston Massachusetts

- 6 drawers
- 66 drawer compartments

$3,036.00

Model No.: XSHS0900-0703
F.O.B. Holliston Massachusetts

- 7 drawers
- 156 drawer compartments

$3,467.00

Model No.: XSHS0900-0805
F.O.B. Holliston Massachusetts

- 8 drawers
- 228 drawer compartments

$3,520.00

Model No.: XSHS0900-0904
F.O.B. Holliston Massachusetts

- 9 drawers
- 204 drawer compartments

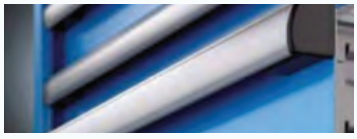
$3,455.00

Model No.: XSHS0900-1002
F.O.B. Holliston Massachusetts

- 10 drawers
- 162 drawer compartments

Single drawer opening as standard

- Prevents the cabinet from tipping over
- Allows for drawers to be moved around into different arrangments at any time



Flush drawer Front

- Drawer handles with side covers which sit snugly within the front profile
- Look good and are safe

Safety catches

- Comply with all regulations against drawers falling out of cabinet
- Reduces the risk of injuries
- Easily deactivated to move induvidual drawers

Information on load capacity

- The load capacity (75 or 200kg) is inscribed on the drawer runners
- Increased safety

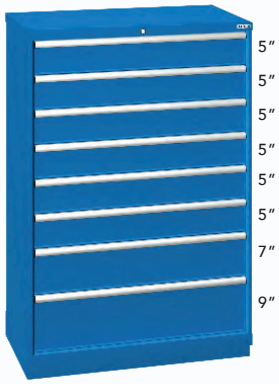
Eye Level Height Cabinets

- Shallow Depth
- 40 1/4" W x 22 1/2" D x 59 1/2" H
- Brite Blue
- With Locking System

$3,183.00

Model No.: XSHS1350-0702
F.O.B. Holliston Massachusetts

- 7 drawers
- 66 drawer compartments



$3,429.00

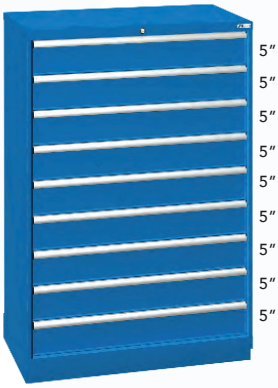
Model No.: XSHS1350-0803
F.O.B. Holliston Massachusetts

- 8 drawers
- 84 drawer compartments

$3,653.00

Model No.: XSHS1350-0801
F.O.B. Holliston Massachusetts

- 8 drawers
- 126 drawer compartments



$3,755.00

Model No.: XSHS1350-0903
F.O.B. Holliston Massachusetts

- 9 drawers
- 120 drawer compartments

$4,095.00

Model No.: XSHS1350-1017
F.O.B. Holliston Massachusetts

- 10 drawers
- 177 drawer compartments

$4,404.00

Model No.: XSHS1350-1233
F.O.B. Holliston Massachusetts

- 12 drawers
- 204 drawer compartments

Counter Height Cabinets

- Full Depth
- 28 1/4" W x 28 1/2" D x 41 3/4" H
- Brite Blue
- With Locking System

$2,525.00

Model No.: XSSC0900-0605
F.O.B. Holliston Massachusetts

- 6 drawers
- 72 drawer compartments

$2,830.00

Model No.: XSSC0900-0709
F.O.B. Holliston Massachusetts

- 7 drawers
- 136 drawer compartments

$3,233.00

Model No.: XSSC0900-0904
F.O.B. Holliston Massachusetts

- 9 drawers
- 180 drawer compartments

$2,494.00
Model No.: XSSC0900-0604
F.O.B. Holliston Massachusetts

- 6 drawers
- 74 drawer compartments

$3,045.00
Model No.: XSSC0900-0805
F.O.B. Holliston Massachusetts

- 8 drawers
- 168 drawer compartments

$3,373.00
Model No.: XSSC0900-1002
F.O.B. Holliston Massachusetts

- 10 drawers
- 210 drawer compartments

Eye Level Height Cabinets

LISTA

- Full Depth
- 28 1/4″ W x 28 1/2″ D x 59 1/2″ H
- Brite Blue
- With Locking System

$2,949.00
Model No.: XSSC1350-0702
F.O.B. Holliston Massachusetts

- 7 drawers
- 62 drawer compartments

$4,243.00
Model No.: XSSC1350-1233
F.O.B. Holliston Massachusetts

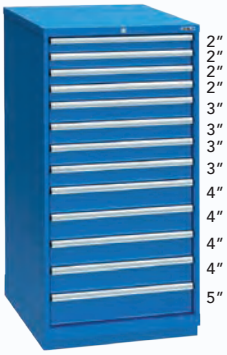
- 12 drawers
- 264 drawer compartments

$4,142.00
Model No.: XSSC1350-1201
F.O.B. Holliston Massachusetts

- 12 drawers
- 245 drawer compartments

$3,807.00
Model No.: XSSC1350-1017
F.O.B. Holliston Massachusetts

- 10 drawers
- 206 drawer compartments



$4,318.00
Model No.: XSSC1350-1320
F.O.B. Holliston Massachusetts

- 13 drawers
- 273 drawer compartments

$4,638.00
Model No.: XSSC1350-1502
F.O.B. Holliston Massachusetts

- 15 drawers
- 300 drawer compartments

MATRIX Does It All

The MATRIX family of automated tool dispensers powered by our unique management software can help you:

- Drive down costs
- Guarantee production output
- Optimize stock levels
- Streamline purchasing
- Control cost per unit (CPU)
- Select the right tools for each job

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Edmonton Branch
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Edmonton, AB T6E 6T9
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Saskatoon, SK S7P 0C9
Tel: (306) 244-4810
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1(866) 234-0120
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Winnipeg Branch
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