

2026

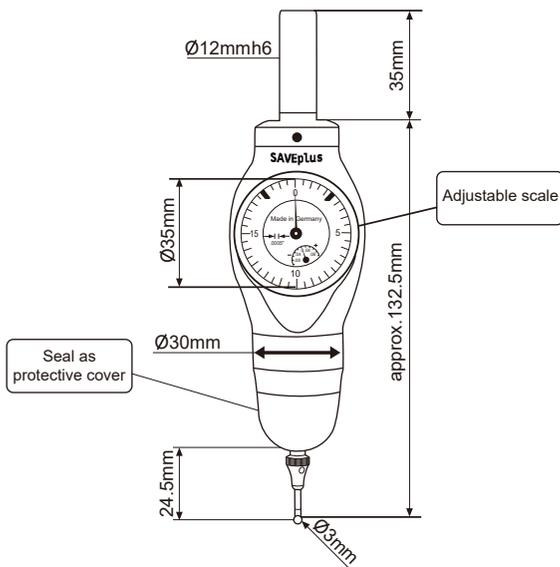
**All prices are in
Canadian Dollars**

**Check current price
and stock online**

3D Tester Analog SAVEplus Inch with Shank 1/2"

GREAT

ISO9001



Advantages:

- Repeatability $\pm 0.01\text{mm}$
- Usable with ceramic probe tips
- Adjustable scale

Delivery contains:

- 3mm ceramic probe tip

Specification:

- Shank diameter: 1/2" (12mm)
- Shank length: 35mm
- Dial gauge diameter: 35mm
- Length when clamped: approx. 132.5mm
- Probing diameter: 30mm
- Probe tip length: 24.5mm
- Probe tip ball diameter: 3mm
- Graduation: 0.0005"
- Type: 3-D Tester
- Country of origin: GERMANY



Item	4920-1263
Price	\$559 ⁰⁰ _{pc}



3D Tester Digital with Shank Ø1/2"

Advantages:

- Reliable reading thanks to the digital and analog gauge on one screen
- Repeatability $\pm 0.01\text{mm}$
- IP67 waterproof
- Can be used with Tschorn's well-known ceramic probe tipsamiktasteinsätzen
- With serial number and test certificate
- Automatic switch-off to save battery
- Country of origin: GERMANY



Item	4944-3012
Price	\$841 ⁰⁰ _{pc}



Probe Tip Ceramic Ø3mm

Universal for all TSCHORN 3D Testers



Specification:

- Probe tip ceramic
- Length: approx. 27mm
- Tester: Ø3mm
- Country of origin: GERMANY



Item	4916-3003
Price	\$86 ⁰⁰ _{pc}



Probe Tip Ceramic Ø6mm

Universal for all TSCHORN 3D Testers



Specification:

- Probe tip long ceramic
- Length: approx. 62mm
- Tester: Ø6mm
- Country of origin: GERMANY



Item	4916-3006
Price	\$136 ⁰⁰ _{pc}

3D Tester Inch SLIMplus V2 with Shank 1/2"



ISO9001



4940-1215

4940-1225

Specification:

- Brand: TSCHORN
- Shank diameter: 1/2" (12.7mm)
- Sensing tip: 0.11" (3mm)
- Graduation: 0.0005"
- Type: 3-D tester
- Display size: 1.47" (37mm)
- Length: 6.14" (156.5mm)
- Length without shank: 4.82" (122.5mm)
- Reading: 0-40
- Tip Size: 1.06" (27mm) long
- Tool material: solid carbide ball
- Weight: 1.27 lbs.
- Width: 1.75" (44.5mm)
- Country of origin: GERMANY

Advantages:

- Repeatability ±0.01mm
- IP67 waterproof
- Usable with our well-known ceramic probe tips
- With serial number and test certificate

Item	Description	Price
4940-1215	White	\$742.00/PC
4940-1225	Black	\$742.00/PC

3D Tester DREHplus V2 Inch with Shank Ø3/4"



Delivery contains:

- 3D Tester including probe tip DREHplus, adjusting key, with a factory certificate

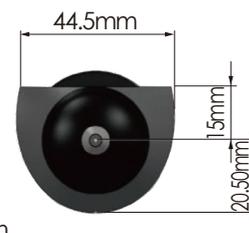


Specification:

- Shank diameter: 20mm
- Shank length: 42mm
- Dial gauge diameter: 37mm
- Probing diameter: 30mm
- Length when clamped: approx. 138mm
- Graduation: 1/100 mm
- Probe tip length: 30mm
- Tip size: 3 mm conical, precision grinded
- Tool Material: Probe tip hardened stainless steel
Tester aluminum body
Shank hardened stainless steel
- Country of origin: GERMANY

Item	4940-0034
Price	\$1269 ⁰⁰ / _{pc}

- Width of the body: 44.5mm
- Distance from center of the shank to top edge of the body: 15mm
- Distance from the shank to the lower edge of the body: 20.50mm



3D Tester Inch VIplus V2 with Shank 1/2"



Advantages:

- Repeatability ±0.01mm
- IP67 waterproof
- Usable with our well-known ceramic probe tips
- With serial number and test certificate

Specification:

- Shank diameter: 1/2" (12.7mm)
- Sensing tip: 0.11" (3mm)
- Graduation: 0.01mm
- Type: 3-D tester
- Display size: 1.73" (44mm)
- Length: 6.96" (177.2mm)
- Length without shank: 5.91" (150mm)
- Tip size: 1.06" (27mm) long
- Tool material: solid carbide ball
- Width: 2.25" (57.2mm)
- Country of origin: GERMANY

Item	4940-1295
Price	\$984 ⁰⁰ / _{pc}

Probe Tip Long Ø56mm

Sensing Tip Type, Use with SLIMplus Edge Finder



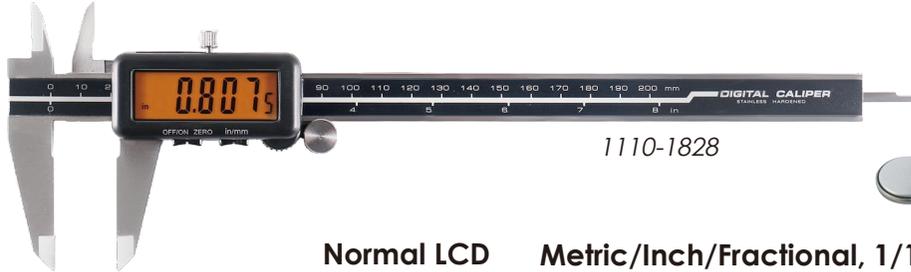
Item	4916-3056
Price	\$423 ⁰⁰ / _{pc}

Specification:

- Length: approx. 62mm
- Tester: Ø56mm
- Country of origin: GERMANY



1110-0818



1110-1828



Replacement Battery

Item	Price
CR2025	\$3.30/PC

Features:

- Metric/Inch/Fractional system interchangeable (1110-0818, 1110-0828, & 1110-0838).
- Power ON/OFF (auto off in 5 minutes).
- Zero setting at any position.
- Auto or manual power off.
- Data output MCP105.
- Power supply: 3V CR2025.
- In a fitted plastic case.

Normal LCD Metric/Inch/Fractional, 1/128"

Item	Range	Resolution	Accuracy	Price
1110-0818	0-6"/0-150mm	0.0005"/1/128"/0.01mm	±0.03mm	\$93.00/PC
1110-0828	0-8"/0-200mm	0.0005"/1/128"/0.01mm	±0.03mm	\$123.00/PC
1110-0838	0-12"/0-300mm	0.0005"/1/128"/0.01mm	±0.04mm	\$183.00/PC

Yellow LCD Metric/Inch

Item	Range	Resolution	Accuracy	Price
1110-1818	0-6"/0-150mm	0.0005"/0.01mm	±0.03mm	\$98.00/PC
1110-1828	0-8"/0-200mm	0.0005"/0.01mm	±0.03mm	\$129.00/PC
1110-1838	0-12"/0-300mm	0.0005"/0.01mm	±0.03mm	\$198.00/PC

Electronic Digital Indicator

Features:

- Inch/mm system interchangeable.
- ON/OFF: power ON/OFF.
- ZERO/SET: zero setting and default data setting.
- +: increasing displayed value.
- -: reducing displayed value.
- Data output MCP105.
- Power supply: 3V CR2025.
- In a fitted plastic case.



611H-1348Y

Replacement Battery

Item	Price
CR2025	\$3.30/PC



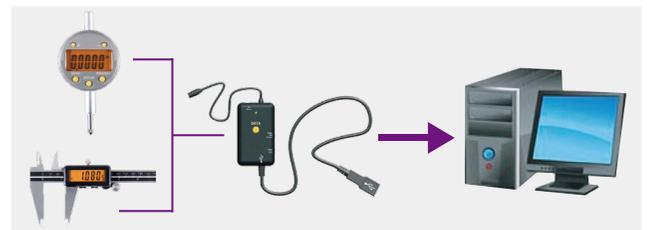
Item	Range	Resolution	Accuracy	Functions	Keys	Price
611H-1348Y	0-0.5"/0-12.5mm	0.00005"/0.001mm	±0.015mm	in/mm, ON/OFF, ZERO/SET, +, -.	5	\$161.00/PC
6110-1368	0-1"/0-25mm	0.0005"/0.01mm	±0.03mm	in/mm, ON/OFF, ZERO/SET, +, -.	5	\$176.00/PC

Measurement Data Management



Features:

- Plug & play
- Drivers & software needless
- For any input file
- Measuring tool connector: standard Φ 2.5 four cores plug D/C/V/G, corresponding Data/Clock/Vdd/Get, wire long 1.8m
- PC connector: standard USB port, wire long 2m
- 2 Resolution-Modes and 3 Input-Modes can be selected
- The USB cable can export data directly from our electronic digital caliper or electronic digital indicator to a computer. No need for extra driver
- Software built-in the cable compatible with Windows 10, Windows 11 and IOS

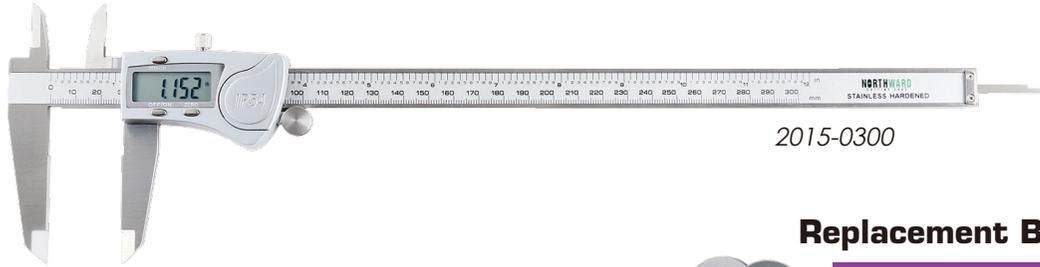


Item	MCP105
Price	\$251 ⁰⁰ PC

Electronic Digital Caliper Extra-large LCD, Metal Cover, Stainless Steel, IP54 Water Resistant



2015-0150



2015-0300

Features:

- Premium high-quality digital caliper, 4-way use for inside, outside, depth and step measurements with inch/metric conversion.
- Metal covers heavy-duty.
- Instantly displays on large LCD upon pulling, 5 minutes automatically off.
- Constructed with HRC 52.5 hardened stainless steel shafts & with IP54 water resistant.
- Requires one 3V CR2032 battery (2 additional battery included).
- In a fitted plastic case.

Replacement Battery



Item	Price
CR2032	\$3.30/PC

Item	Range	Resolution	Accuracy	Price
2015-0150	0-6"/0-150mm	0.0005"/0.01mm	±0.03mm	\$49.50/PC
2015-0200	0-8"/0-200mm	0.0005"/0.01mm	±0.03mm	\$89.00/PC
2015-0300	0-12"/0-300mm	0.0005"/0.01mm	±0.04mm	\$99.00/PC

Electronic Digital Caliper with Extra Large Screen, Left-hand

Features:

- 12mm high LCD display.
- Zero setting at any position.
- Inch/mm system interchangeable.
- Instantly displays on large LCD upon pulling, 5 minutes automatically off.
- Power on/off at any position, invariable measuring origin (zero).
- Display window is made of special quartz glass, strong ability of scratch resistance.
- Applicable to left hand operation.
- Power supply: 1.5V LR44.
- In a fitted plastic case.



AB11-L106

AB11-L112

Item	Range	Resolution	Price
AB11-L106	0-6"/0-150mm	0.0005"/0.01mm	\$72.00/PC
AB11-L108	0-8"/0-200mm	0.0005"/0.01mm	\$98.00/PC
AB11-L112	0-12"/0-300mm	0.0005"/0.01mm	\$119.00/PC

Water Resistant Electronic Digital Caliper, IP67 Metal Cover

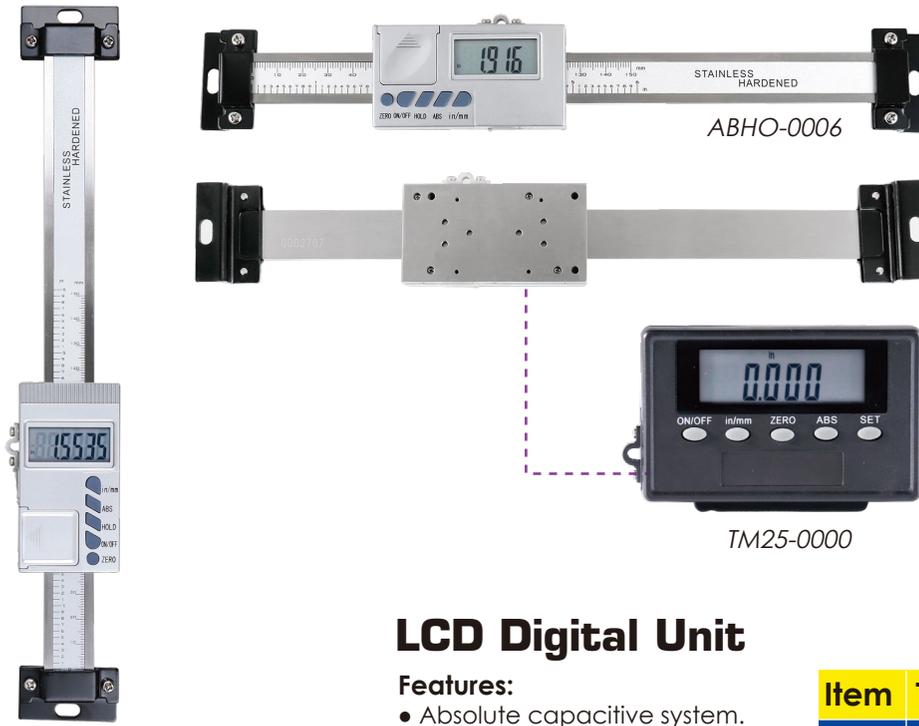


Features:

- IP67 prevents dust, spraying water, oil and magnetism.
- Permissible error: ±0.03mm.
- Inch/mm system interchangeable.
- Zero setting at any position.

- Auto power off.
- Power supply: 1.5V SR44.
- In a fitted plastic case.

Item	Range	Resolution	Price
1199-W636	0-12"/0-300mm	0.0005"/0.01mm	\$329.00/PC



ABVE-0006

ABHO-0006

TM25-0000

Features:

- Incremental capacitive system.
- Glass scale.
- Protection grade IP54.
- Manual power on/off.
- Inch/metric interchange at any position.
- Zero setting at any position.
- Data output SPC0-AC01.
- Works with TM25-0000 LCD digital unit.
- Power supply: 3V CR2032.

LCD Digital Unit

Features:

- Absolute capacitive system.
- Glass scale.
- Protection grade IP54.
- Built in external power port.
- Power supply: 3V CR2032.

Item	TM25-0000
Price	\$65 ⁰⁰ pc



Vertical

Item	Description	Range	Resolution	Accuracy	Price
ABVE-0006	Vertical	0-6"/0-150mm	0.0005"/0.01mm	±0.02mm/0.001"	\$92.00/PC
ABVE-0008	Vertical	0-8"/0-200mm	0.0005"/0.01mm	±0.03mm/0.0015"	\$118.00/PC
ABVE-0012	Vertical	0-12"/0-300mm	0.0005"/0.01mm	±0.03mm/0.0015"	\$142.00/PC
ABVE-0018	Vertical	0-20"/0-500mm	0.0005"/0.01mm	±0.05mm/0.002"	\$219.00/PC

Horizontal

Item	Description	Range	Resolution	Accuracy	Price
ABHO-0006	Horizontal	0-6"/0-150mm	0.0005"/0.01mm	±0.02mm/0.001"	\$88.00/PC
ABHO-0008	Horizontal	0-8"/0-200mm	0.0005"/0.01mm	±0.03mm/0.0015"	\$118.00/PC
ABHO-0012	Horizontal	0-12"/0-300mm	0.0005"/0.01mm	±0.03mm/0.0015"	\$142.00/PC
ABHO-0024	Horizontal	0-20"/0-500mm	0.0005"/0.01mm	±0.05mm/0.002"	\$219.00/PC
ABHO-0040	Horizontal	0-40"/0-1000mm	0.0005"/0.01mm	±0.06mm/0.003"	\$375.00/PC

SPC Cable for Incremental Measuring Tool



Features:

- Works with incremental measuring tools.
- No software needed. Just collect and compile data on desktops/laptops directly.
- Press DATA button to transmit data.
- Connect to USB ports of desktops/laptops.
- Multi-connecting type: C-01 (Micro 5-Pin USB).
- Multi-language Operation.



Item	SPC0-AC01
Price	\$98 ⁰⁰ pc

- High reliability.
- Software built-in the cable compatible with Windows 10, Windows 11 and IOS.

Features:

- Criterion A for ESD.
- Data output.
- Carbide-tipped measuring face.
- No response speed limit.
- 2" and larger furnished with standards.
- Power supply: 3V CR2032.
- In a fitted plastic case.



MD71-0001

Item	Range	Resolution	Accuracy	Price
MD71-0001	0-1"/0-25mm	0.00005"/0.001mm	±0.00012"/±0.003mm	\$95.00/PC
MD71-0002	1-2"/25-50mm	0.00005"/0.001mm	±0.00012"/±0.003mm	\$119.00/PC
MD71-0003	2-3"/50-75mm	0.00005"/0.001mm	±0.00016"/±0.004mm	\$142.00/PC
MD71-0004	3-4"/75-100mm	0.00005"/0.001mm	±0.00016"/±0.004mm	\$171.00/PC
MD71-0005	4-5"/100-125mm	0.00005"/0.001mm	±0.00020"/±0.005mm	\$226.00/PC
MD71-0006	5-6"/125-150mm	0.00005"/0.001mm	±0.00020"/±0.005mm	\$264.00/PC

Large Screen Electronic Digital Outside Micrometer



Features:

- Resolution: 0.00005"/0.001mm.
- Large LCD.
- Three large buttons to operate.
- Carbide-tipped measuring face.
- Auto power off.
- Zero setting at any position.
- Inch/mm system interchangeable at any position.
- With data output interface.
- Data hold function.
- Relative measurement and absolute measurement interchange at any position.
- Power supply: 1.5V LR44.
- In a fitted plastic case.



Large LCD

Item	Range	Price
C085-0001	0-1"/0-25mm	\$139.00/PC

Micrometer Stand

- Electronic digital outside micrometer 0-1"/0-25mm, with micrometer Stand.
- MD71-0001 as Page 08.

EG10-1430:

- A heavy micrometer stand.
- Made of cast iron.
- Can be adjusted to any position.

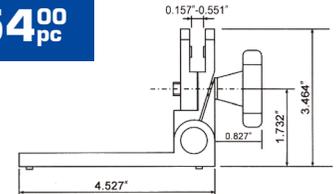
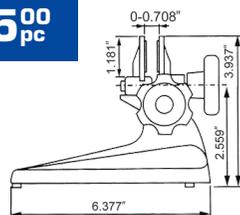
S907-C153:

- Folding design for portable use.
- Clamp can be adjusted and locked in any position.

Item	C153-MD01
Price	\$149 ⁰⁰ _{set}

Item	EG10-1430
Price	\$35 ⁰⁰ _{pc}

Item	S907-C153
Price	\$54 ⁰⁰ _{pc}



Electronic Digital Double Beam Height Gage x 0.001"

Features:

- Hand wheel drive for easy head displacement.
- Large LCD.
- Inch/mm conversion.
- On/off switch.
- ABS/INC switchable and hold function.
- Adjustable tolerance markers and indication on display overflow or OK.
- Complete with scribe.
- Power supply: SR44.



EDBH-0012

Item	Range	Resolution	Accuracy	Price
EDBH-0012	0-12"/0-300mm	0.001"/0.01mm	±0.0016"/0.04mm	\$605.00/PC
EDBH-0018	0-18"/0-450mm	0.001"/0.01mm	±0.002"/0.05mm	\$762.00/PC
EDBH-0024	0-24"/0-600mm	0.001"/0.01mm	±0.002"/0.05mm	\$926.00/PC

Height Gage Adapter with Clamp

Features:

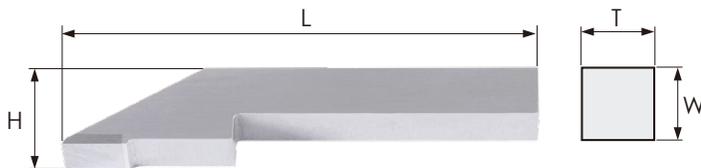
- In-demand set combining height gage bar with a universal clamp.
- The adapter is very widely used for height gage measurement applications.
- Holds all instruments equipped with rods and dovetails.



0002-0881

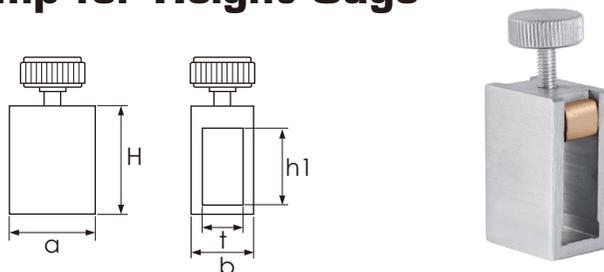
Item	Bar Size T x H x L	Hole Diameter	Price
0002-0881	1/4" x 1/2" x 3"	5/32" & 3/8"	\$22.00/PC
0002-0882	9 x 9 x 76 mm	5/32" & 3/8"	\$22.00/PC

Carbide Scriber for Height Gage



Item	W	T	L	H	Price
0916-1509	0.35"	0.35"	3.15"	0.59"	\$43.00/PC

Clamp for Height Gage



Item	H	a	H1	b	t	Price
0916-0151	1.28"	0.79"	0.89"	0.59"	0.35"	\$31.00/PC

Double Beam Digital Count Dial Height Gage x 0.001"

Features:

- Handwheel gear driven micro-adjust for easy and precise positioning.
- Easy and error-free reading with both up and down digital counters.



DBHG-0012

Item	Range	Resolution	Accuracy	Price
DBHG-0012	0-12"	0.001"	±0.002"	\$389.00/PC
DBHG-0018	0-18"	0.001"	±0.002"	\$595.00/PC
DBHG-0024	0-24"	0.001"	±0.002"	\$668.00/PC

Precision Bevel Edge Square DIN 875

Features:

- Squares have accurate right angles both inside and outside.
- Made from a single piece of fully ground tool steel.
- All squares are fully hardened.
- Blades are beveled on both edges of each side.
- Beams and blades are ground and accurately lapped for straightness and parallelism.
- Made of steel hardened to Rockwell 55.



0303-6203

Item	Grade	Size	Blade	Beam	Price
0303-8303	Grade 00	6" x 4"	6"	4"	\$88.00/PC
0303-6203	Grade 0	6" x 4"	6"	4"	\$68.00/PC

4pc/set Small Hole Gage

ISO9001



Features:

- Satin chrome finish, completely assembled with handles.
- Knurled lock maintains the setting of the measuring arms to permit sizing with a micrometer or caliper.
- In a fitted plastic case.



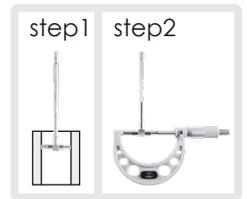
Item	Description	Total Range	Gages Included	Price
3604-5001	Full ball	1/8"~1/2"	1/8"~1/5", 1/5"~3/10", 3/10"~2/5", & 2/5"~1/2"	\$32.00/SET

6pc/set Telescoping Gage with Self-centering Double-action System



Features:

- Nickel finish.
- Contact points are hardened tool steel and precision ground at the end measuring radius.
- Rigid handles with self-centering system.
- Smooth and constant spring tension.



Item	Total Range	Gages Included	Price
3602-5011	5/16"~6"	5/16"~1/2", 1/2"~3/4", 3/4"~1-1/4", 1-1/4"~2-1/8", 2-1/8"~3-1/2", & 3-1/2"~6"	\$37.00/SET

6pc/set Premium Telescoping Gage, Satin Chrome Finish

GREAT



Features:

- Satin chrome finish.
- Contact points are hardened tool steel and precision ground at the end measuring radius.
- Rigid handles with self-centering system.
- Smooth and constant spring tension.
- In a fitted plastic case.



Item	Total Range	Gages Included	Price
3602-5018	5/16"~6"	5/16"~1/2", 1/2"~3/4", 3/4"~1-1/4", 1-1/4"~2-1/8", 2-1/8"~3-1/2", & 3-1/2"~6"	\$65.00/SET

6pc/set 12" Long Reach Telescoping Gage



Features:

- Satin chrome finish.
- Self-centering and double-action allow checking inside measurements quickly.
- Rigid handles with smooth movement.
- Constant spring tension for a uniform fell.

- Contact point ends are hardened tool steel with the precision ground on a radius of the smallest hole the gauge will enter.
- In a fitted plastic case.

Item	Total Range	Gages Included	Price
3602-5012	5/16"~6"	5/16"~1/2", 1/2"~3/4", 3/4"~1-1/4", 1-1/4"~2-1/8", 2-1/8"~3-1/2", & 3-1/2"~6"	\$108.00/SET

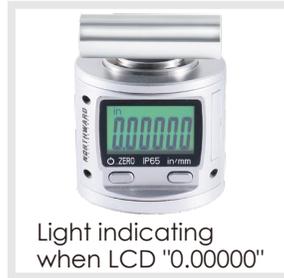
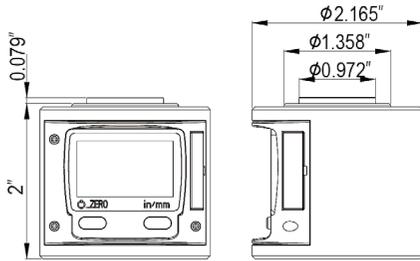
NORTHWARD CUTTING EDGE IP65 Electronic Digital Height Presetter, 2" x 0.00005"

Features:

- Inductive measurement system.
- Protection level: IP65.
- Magnetic base, super adhesion.
- Light indicating when LCD "0.00000".
- Range: 0-0.12" (2.5mm).
- Power on automatically when the measuring surface moving.
- Power supply: 3V CR2032.
- In a fitted aluminum case.

ISO9001

IP65



Item	Range	Resolution	Accuracy	Repeatability	Price
8005-4016	0-0.12"/0-2.5mm	0.00005"/0.001mm	±0.0003"/0.008mm	0.0001"/0.003mm	\$180.00/PC

CanCNC Tooling Solutions Electronic Digital Bore Gage

Features:

Same as the model above, yet includes a digital indicator. The benefits of the electronic indicator:

- Fast & easy inch/mm conversion.
- No need for revolution counters.
- Zero-setting function.
- RS232 output.
- Rapid display function.
- Hold function.
- Power supply: 3V CR2025.
- In a fitted plastic case.



Item	Range	Stem Length	Price
EE20-5274	2-6" x 0.0005"	6"	\$229.00/SET

Mini Universal Indicator Holder



Item	HE20-1502
Price	\$38 ⁰⁰ _{pc}

Features:

- Reach from 0 to 12" diameter.
- A simplified version of the popular usage.
- Two holders in one: its parts allow it to be assembled as a cylinder holder.
- Three point adjustments.

Zero-set

Features:

- Functions as a quick and practical work positioning device.
- Specially designed for test indicators to dovetails.



Item	0511-0986
Price	\$58 ⁰⁰ _{pc}

Universal Indicator Holder



Item	HE20-1501
Price	\$38 ⁰⁰ _{pc}

Features:

- Clamping dia.: 1-7/8".
- Arm length from the clamp: 4-1/2".
- Provides accurate and quick readings.
- Accepts all indicators with 5/32" shanks or dovetails. Reach from 0-12" diameter.

Universal Dovetail Indicator Holder Dial Test Indicator Accessory



Item	EG01-5459
Price	\$22 ⁰⁰ _{pc}

Features:

- Shank diameter: 1/4".
- Overall length: 3", with a 360° swivel.
- A must for every Q.C. or production facility.

Applications:

- Used with all test indicators & probes with dovetails.
- Access places & angles that are hard to reach.
- Easily held in a collet, chuck or height gage.

Magnetic Back for Dial Indicator (Direct Mount)

Features:

- Permanent powerful magnet.
- Size: 2-1/4" diameter x 9/16" thickness.
- Attaches to the back of a 2" diameter dial indicator.
- Strong magnet with 44lbs. of holding power.



Item	EG08-1605
Price	\$25 ⁰⁰ _{pc}

Mini Universal Magnetic Base

Features:

- Saves time and improves accuracy.
- Strong magnet with 44lbs. of holding power.
- Zinc die-cast housing.
- Size: 4" x 1" x 1".
- 6 accessory mounting locations:
 - 3 positions 1/4"-20 for lug mounts.
 - 1 tapped hole 10-32.
 - 1 reamer hole 3/8" diameter.
 - 1 v-shaped hole in the back: 1/8-5/16".



Item	EG08-0016
Price	\$22 ⁰⁰ _{pc}

U.S. & Metric Thread Measuring Wire Set

Features:

- 48 pieces, 16 different sizes, for 60° threads.
- Measure all threads from 3 to 48 threads per inch and all metric from 0.5mm to 6mm pitch.
- Three-wire method to measure external threads.
- Wires are fitted in a plastic case stamped with sizes.
- Laminated chart is complied from the U.S. standard handbook.
- Provides proper sizes & measurements over wires.



Item	EG06-1002
Price	\$37 ⁰⁰ _{set}

22pc Indicator Point Kit

Features:

- Assorted points that fit most American and drop indicators.
- AGD specification.
- 4-48 thread.
- In a fitted case.



Item	EG03-0100
Price	\$18 ⁰⁰ _{set}



36pc Steel Gage Block Set, Grade AS-2, ASME B89.1.9-2002, with MFG's Certificate



Features:

- Manufactured under carefully controlled conditions, allowing for the highest degree of accuracy when used at a temperature of 68 degrees F (20 C).
- Each gage block is assigned a serial number; each set comes with a certificate of inspection listing the deviation for each block.
- Each gage block set meets or exceeds federal specification ASME B89.1.9-2002.
- Hardened to HRC 64.
- All gage block sets are made to a special standard to resist corrosion and defacement.
- Each set comes with a fitted wooden case.

Specifications:

Stepping	Nominal Dimensions	No. of Block
—	0.050"	1
0.0001"	0.1001" to 0.1009"	9
0.001"	0.101" to 0.109"	9
0.01"	0.110" to 0.190"	9
0.10"	0.100" to 0.500"	5
—	1"	1
—	2"	1
—	4"	1
Total		36

Item	PCS.	Grade	Price
0036-6001	36	AS-2	\$186.00/SET

New Grade ASME B89.1.9-2002

Nominal Size	Tolerances(in Millionths of an inch)		
	AS-1	AS-2	B
Thru 0.050"	±12	±18	±50
Thru 0.400"	±8	±18	±50
Thru 1"	±12	±24	±50
Thru 2"	±16	±32	±50
Thru 3"	±20	±40	±50
Thru 4"	±24	±48	±50

81pc Steel Gage Block Set, with MFG's Certificate

ISO9001 GREAT



P900-S583

Item	PCS.	Grade	Price
P900-S581	81	B	\$249.00/SET
P900-S583	81	AS-2	\$360.00/SET
P900-S582	81	AS-1	\$538.00/SET

Specifications:

Stepping	Nominal Dimensions	No. of Block
0.0001"	0.1001" to 0.1009"	9
0.001"	0.101" to 0.149"	49
0.050"	0.050" to 0.950"	19
1"	1" to 4"	4
Total		81

87pc Metric Gage Block Set, DIN861 GERMANY Standard, with MFG's Certificate

ISO9001



0087-2160

Item	PCS.	Grade	Price
0087-2160	87	2	\$409.00/SET
0087-2161	87	1	\$780.00/SET
0087-2162	87	0	\$1,145.00/SET

Nominal Size	Tolerance in microns(0.001mm)		
	DIN861 Grade 0	DIN861 Grade 1	DIN861 Grade 2
10mm or less	±0.12	±0.20	±0.45
10-25mm	±0.14	±0.30	±0.60
25-50mm	±0.20	±0.40	±0.80
50-75mm	±0.25	±0.50	±1.00
75-100mm	±0.30	±0.60	±1.20

Features:

- Manufactured under carefully controlled conditions, allowing for the highest degree of accuracy when used at a temperature of 68 degrees F (20 C).
- Each gage block is assigned a serial number; each set comes with a certificate of inspection listing the deviation for each block.
- Each gage block set meets or exceeds specification DIN861.
- Surface hardness: HRC 64.
- All gage block sets are made to a special standard to resist corrosion and defacement.
- Each set comes with a fitted wooden case.

Specifications:

Stepping	Nominal Dimensions	No. of Block
0.001mm	1.001 to 1.009mm	9
0.01mm	1.01 to 1.49mm	49
0.5mm	0.5 to 9.5mm	19
10mm	10 to 100mm	10
Total		87

36pc Steel Spacer Block Set

Features:

- Accuracy: ±0.0001".
- Hardened to HRC 57-60.
- 3/4" diameter, 1/4"-28 I.D.thread.
- Each block is clearly marked for size.
- Hardened and lapped.
- Four connecting screws included to make any length desired.
- In a fitted plastic case.



36-pc set:

- 9 blocks: 0.101" to 0.109" by 0.001".
- 15 blocks: 0.050" to 0.190" by 0.010".
- 9 blocks: 0.200" to 1.000" by 0.100".
- 1 block: 0.0625".
- 1 block: 0.125".
- 1 extra block: 1.000".
- 4 screws for connecting spacer blocks and hex keys.



Item 3604-7001
Price \$129⁰⁰ set



MEYER Class Z Pin Gage Sets (Inch) with NIST Certificate, Made in USA



MEM1-CZIN

Description:

- About Meyer Class Z Pin Gage Sets:
Meyer started making the original ZZ back in 1965 and their competition has tried, but can't copy the quality of these affordable pin gage sets. Meyer now has taken the extra step for the better pin gage, Class Z.
- Introducing the Meyer Class Z:
A closer tolerance (0.0001), is more accurate, and better for your needs.

Here is a comparison of Class ZZ and the Class Z gage pin specifications:

Comparison	Class ZZ	Class Z
Size deviation:	0.0002"	0.0001"
Roundness geometry:	0.0001"	0.00005"
Surface finish:	10 micro	8 micro

The Meyer Gage Class Z gage pin will meet or exceed the requirements of Class ZZ, and can replace the Class ZZ in any situation or application.

Features:

- Boxes and gages both marked
- Each set is carefully packaged in a durable, compact case, making them easy to store and transport to the point of use
- Size and serial number laser etched on **each piece (MEP0-CZIN, MEM0-CZIN, M05P-CZIN, M05M-CZIN not etched)**
- Material: 52100 Bearing Steel
- No sharp edges
- All members 2" long
- Country of origin: USA

Finish:

- Each gage is inspected and has a 8 microfinish or better
- Heat treated to a hardness of 60-62 Rockwell C
- All English gages with 0.0001" limit

Uses:

- Checking locations
- Measuring hole sizes
- GO & NOGO gaging
- Setting micrometers
- Checking distances between holes

By investing in Meyer English Class Z Pin Gage Sets, you can:

- Improve the accuracy and consistency of your quality control processes
- Reduce the risk of defective parts and associated costs
- Enhance customer satisfaction through the delivery of high-quality products
- Streamline your inspection and measurement processes, increasing efficiency and productivity

CanCNC Item#	Meyer Item#	Tolerance Direction	Size Range	No. of Gages
MEM0-CZIN	M0M	Minus	0.011" to 0.060"	50
M05M-CZIN	M05M		0.0115" to 0.0605"	50
C10M-CZIN	C10M		0.011" to 0.250"	240
105M-CZIN	C105M		0.0115" to 0.2505"	240
MEM1-CZIN	M1M		0.061" to 0.250"	190
M15M-CZIN	M15M		0.0615" to 0.2505"	190
MEM2-CZIN	M2M		0.251" to 0.500"	250
M25M-CZIN	M25M		0.2515" to 0.5005"	250
MEM3-CZIN	M3M		0.501" to 0.625"	125
M35M-CZIN	M35M		0.5015" to 0.6255"	125
MEM4-CZIN	M4M		0.626" to 0.750"	125
M45M-CZIN	M45M		0.6265" to 0.7505"	125
MEM5-CZIN	M5M		0.751" to 0.832"	82
M55M-CZIN	M55M		0.7515" to 0.8325"	82
MEM6-CZIN	M6M		0.833" to 0.916"	84
M65M-CZIN	M65M		0.8335" to 0.9165"	84
MEM7-CZIN	M7M	0.917" to 1.000"	84	
M75M-CZIN	M75M	0.9175" to 1.0005"	84	
MEP0-CZIN	M0P	Plus	0.011" to 0.060"	50
M05P-CZIN	M05P		0.0115" to 0.0605"	50
C10P-CZIN	C10P		0.011" to 0.250"	240
105P-CZIN	C105P		0.0115" to 0.2505"	240
MEP1-CZIN	M1P		0.061" to 0.250"	190
M15P-CZIN	M15P		0.0615" to 0.2505"	190
MEP2-CZIN	M2P		0.251" to 0.500"	250
M25P-CZIN	M25P		0.2515" to 0.5005"	250
MEP3-CZIN	M3P		0.501" to 0.625"	125
M35P-CZIN	M35P		0.5015" to 0.6255"	125
MEP4-CZIN	M4P		0.626" to 0.750"	125
M45P-CZIN	M45P		0.6265" to 0.7505"	125
MEP5-CZIN	M5P		0.751" to 0.832"	82
M55P-CZIN	M55P		0.7515" to 0.8325"	82
MEP6-CZIN	M6P		0.833" to 0.916"	84
M65P-CZIN	M65P		0.8335" to 0.9165"	84
MEP7-CZIN	M7P	0.917" to 1.000"	84	
M75P-CZIN	M75P	0.9175" to 1.0005"	84	

Check price on www.accusizetools.com

Features:

- Class ZZ.
- Each gage is electro-etched with size.
- Tolerance: Minus set: +0.0000" / -0.0002".
Plus set: +0.0002" / -0.0000".
- Each gage is 2" long, centerless lapped.
- Hardness: Heat-treated to a hardness of 60-62 Rockwell C drill rod.
- Finish: Each gage has a 10 micro finish or better.
- Supplied in a fitted case.



M3(-)



P0(+)



P2(+)

Item	Range	Qty	Type of Case	Accuracy	Price
M0(-)	0.011"-0.060"	50	plastic case	+0.0000" / -0.0002"	\$53.00/SET
M1(-)	0.061"-0.250"	190	plastic case		\$114.00/SET
M1(-)A	0.061"-0.250"	190	aluminum case		\$114.00/SET
M2(-)	0.251"-0.500"	250	plastic case		\$219.00/SET
M2(-)A	0.251"-0.500"	250	aluminum case		\$219.00/SET
M3(-)	0.501"-0.625"	125	plastic case		\$227.00/SET
M4(-)	0.626"-0.750"	125	plastic case		\$270.00/SET
M5(-)	0.751"-0.832"	82	plastic case		\$270.00/SET
M6(-)	0.833"-0.916"	84	plastic case		\$329.00/SET
M7(-)	0.917"-1.000"	84	plastic case		\$354.00/SET
P0(+)	0.011"-0.060"	50	plastic case	+0.0002" / -0.0000"	\$53.00/SET
P1(+)	0.061"-0.250"	190	plastic case		\$114.00/SET
P2(+)	0.251"-0.500"	250	plastic case		\$219.00/SET
P3(+)	0.501"-0.625"	125	plastic case		\$227.00/SET
P4(+)	0.626"-0.750"	125	plastic case		\$270.00/SET
P5(+)	0.751"-0.832"	82	plastic case		\$270.00/SET
P6(+)	0.833"-0.916"	84	plastic case		\$329.00/SET
P7(+)	0.917"-1.000"	84	plastic case		\$354.00/SET



M1(-)A

Go/No Go Double End Gage Handle

Features:

- Size range eliminates set-up time.
- No need for extra handles or bushings.
- One handle can cover the entire range of a pin gage set.

Item	Range	Price
3350-0100	0.011" - 0.060"	\$22.00/PC
3350-0101	0.061" - 0.250"	\$28.00/PC
3350-0102	0.251" - 0.500"	\$33.00/PC
3350-0103	0.501" - 0.625"	\$33.00/PC
3350-0104	0.626" - 0.750"	\$36.30/PC
3350-0105	0.751" - 0.832"	\$39.60/PC
3350-0106	0.833" - 1.000"	\$39.60/PC



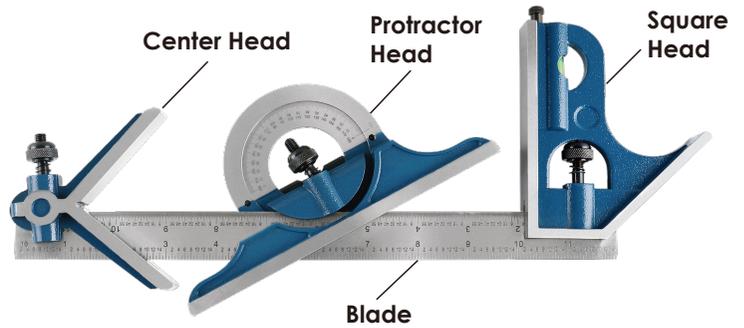
3350-0102

3350-0101

3350-0100



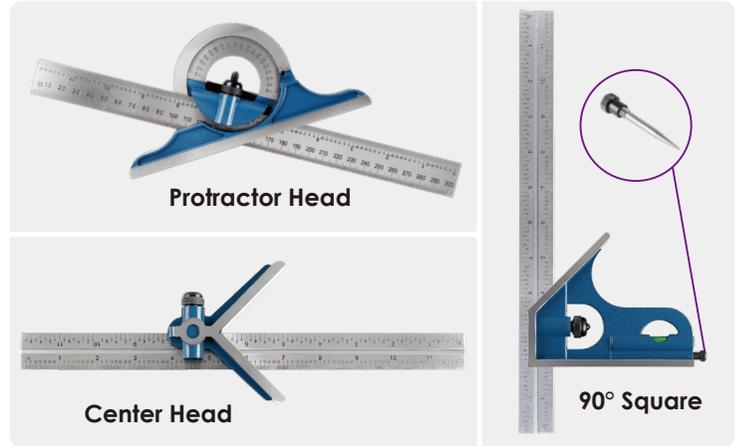
0000-8101



Features:

- Used for set-up, layout, checking heights, depths and angles, etc.
- All heads made of cast steel with a better surface and hardness.
- Blades are fully hardened and tempered.
- Each square head has a level & a scribe point.
- Micro-fine blade graduations.
- Easy-to-read satin chrome finish blade.
- 4R graduation: 8ths, 16ths, 32nds, & 64ths.
- E/M graduation: 32nds, 64ths, 0.5mm, & 1mm.
- In a fitted plastic case.

Item	Description	Blade	Graduation	Price
0000-8101	4pcs/set	12"	4R	\$128.00/SET
0000-8108	4pcs/set	12"/300mm	E/M	\$128.00/SET



3pc Combination Square Set

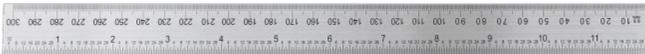
Features:

- Used for set-up, layout, checking heights, depths and angles, etc.
- Blades are fully hardened and tempered.
- Each square head has a level & a scribe point.
- Micro-fine blade graduations.
- Easy-to-read satin chrome finish blade.
- 4R graduation: 8ths, 16ths, 32nds, & 64ths.
- Each set includes: a blade, a square head and a center head. • In a fitted plastic case.



Item	Description	Blade	Graduation	Price
0000-8100	3pcs/set	6"	4R	\$88.00/SET

Individual Blade for Combination Square Set



Features:

- Hardened satin chrome finish.
- 4R graduation: 8ths, 16ths, 32nds & 64ths.
- E/M graduation: 32nds, 64ths, 0.5mm, & 1mm.

EG02-0341

Item	Blade	Graduation	Width	Price
EG02-0338	6"	4R	3/4"	\$13.20/PC
EG02-0340	12"	4R	1"	\$16.50/PC
EG02-0341	12"/300mm	E/M	1"	\$16.50/PC

4pc Electronic Digital Combination Square Set



Features:

- Used for set-up, layout, checking heights, depths and angles, etc.
- Higher accuracy with electronic digital protractor newly applied.
- All heads are made of pro-coated mold with better surface and hardness.
- Each square head has a level & a scribe point.
- Micro-fine blade graduations.
- Distinct lines and figures against the satin chrome finish making reading easy.
- Low surface roughness and high accuracy, with surfaces precisely ground.
- E/M graduation: 32nds, 64ths, 0.5mm, & 1mm.
- In a fitted plastic case.

Item	Blade	Graduation	Accuracy	Price
0000-8112	12"/300mm	E/M	±10' within 0.15°	\$189.00/SET

Universal Dial and Bevel Protractor Includes Both 6" & 12" Blades

ISO9001



Item	S855-C802
Price	\$128 ⁰⁰ set

Features:

- Hardened stainless steel.
- Satin chrome finish.
- Graduation: 360°.
- Bevel protractor includes a magnifier for vernier.
- Measuring precision: 5 minutes.
- Includes a lock and an acute angle attachment.
- In a fitted plastic case.

Mini Digital Angle Protractor 0-360°, Magnetic Base



Item	D810-1000
Price	\$76 ⁰⁰ pc

Features:

- Small, light (about 127g) and portable.
- Large LCD for reading.
- Measure data holding.
- Magnet in measuring face can be easily attracted to the object to be measured.
- Display always reads upright, no matter which way the mini protractor is turned.
- Degree and slope conversion.
- Auto power off, low battery warning.
- Measuring range: 4 x 90°.
- Resolution: 0.1°.
- Working temperature: 0°C~40°C.
- Relative humidity: 40%~80%.
- Dimension: 2" x 2" x 1".
- Power supply: 3V CR2032.

Electronic Digital Universal Bevel Protractor

ISO9001

Features:

- Displaying degrees, minutes, seconds and decimal degrees simultaneously.
- Measuring range: 0-360°.
- Resolution: 10"/0.005°.
- Accuracy: ±5'.
- LCD.
- Range selection: 1x360°, 2x180°, & 4x90°.
- On/off switch.
- Reset/preset.
- Reversible measurement direction.
- Fine adjustment with 360° range.
- Power supply: 3V CR2032.
- In a fitted plastic case.



Item	S907-C885
Price	\$570 ⁰⁰ set

Stainless Steel Protractor



3607-1017



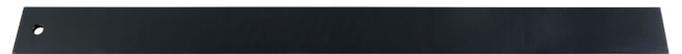
3607-1018

Features:

- Useful and accurate tools for setting levels, transferring angles and many other applications.
- Measuring angles from 0-180 degree.
- The blade is secured firmly by the lock nut at any angle.

Item	Head	Price
3607-1017	Square	\$16.50/PC
3607-1018	Round	\$16.50/PC

Steel Straight Edges



0001-0024

Features:

- Constructed from high-quality heat-treated steel.
- Accurate reference line and may be used for checking surface for straightness.
- Precision ground on one side to 0.001".
- Thickness: 1/4".
- Convenient hang hole provided on one end.
- Non graduated.
- In a fitted wood case.

Item	Length	Price
0001-0024	24"	\$99.00/PC
0001-0036	36"	\$146.00/PC

Radius Gage Set

Features:

- The accuracy of 3602-5021:
1/64"-7/64": ±0.0008"
1/8"-15/64": ±0.0010"
1/4"-3/8": ±0.0012"
13/32"-1/2": ±0.0014"
- Satin chrome finish
- Each gauge is individually marked
- Rust proof steel
- Supplied in a fitted case



3602-5021

Item	Range	Price
3602-5021	25pcs set: 1/64"-17/64" by 64ths & 9/32"-1/2" by 32nds with a holder	\$52.00/SET
3602-5026	26pcs set: 0.5mm-13mm by 0.5mm with a holder	\$53.00/SET
3602-5022	8pcs set: 9/16"-1" by 16ths without holders	\$80.00/SET
3602-5025	26pcs set: 0.010"-0.500" with a holder	\$66.00/SET
3602-5023	8pcs set: 1-1/16"-1-1/2" by 16ths without a holder	\$163.00/SET

29° ACME Screw Thread Gauge

Gage Tool Grinding

Features:

- For grinding & setting tools when cutting acme threads whose sides have an inclination of 14-1/2°.
- Made from stainless steel with satin chrome finish.
- Angles and edges of gages are hardened and ground.
- Trapezoidal thread gauges: (1, 1-1/3, 1-1/2, 1-3/4, 2, 2-1/2, 3, 4, 5, 6, 7, 8, 9, & 10TPI).
- Angle: 29°.
- Supplied in a fitted case.



Item	8207-5640
Price	\$22⁰⁰_{pc}

60° Center Gage



Item	A852-6002
Price	\$9⁹⁰_{pc}

Features:

- Has three 60 degree notched angles.
- Used in gauging or setting screw cutting tools.
- Supplied in a fitted case.

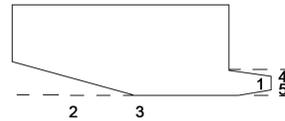
18pc Angle Gage Set

Features:

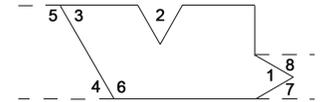
- Manufactured from stainless steel, satin finish.
- 18pc individual gages for easy use.
- Eight gaging surfaces per gage.
- Precision finished edges for accurate checking.
- Each gage checks primary, 1/2 primary and supplementary angles.
- Quick and accurate inspection of angles and I.D. or O.D. chamfers in or out of the machine.
- Positioning of lathe tools for chamfers.
- Inspecting angles on ground from tools and cutters.
- Fast set-up and fixturing of workpiece.
- Indispensable for every inspector, toolmaker, machinist, layout and draftsman.
- Supplied in a fitted case.



Item	3602-5050
Price	\$45⁰⁰_{set}



Type A



Type B

Angles 1 & 2 are primary
Angle 3 is supplementary
Angles 4 & 5 are 1/2 primary

Angles 1, 2, 3 & 4 are primary
Angles 5 & 6 are supplementary
Angles 7 & 8 are 1/2 primary

Primary Angle	1/2 Primary Angle	Supp. Angle	Type
5°	2°30'	175°	A
10°	5°	170°	A
15°	7°30'	165°	A
20°	10°	160°	B
25°	12°30'	155°	B
30°	15°	150°	B
35°	17°30'	145°	B
40°	20°	140°	B
45°	22°30'	135°	B
50°	25°	130°	B
55°	27°30'	125°	B
60°	30°	120°	B
65°	32°30'	115°	B
70°	35°	110°	B
75°	37°30'	105°	B
80°	40°	100°	B
85°	42°30'	95°	B
90°	45°	90°	B

Inch:

- 30 blades: 4-42TPI.
- U.S. standard 60 degree.
- Precisely ground and finished.
- Blades marked with thread sizes.

Metric:

- 20 blades: 0.4-7mm.
- Metric 60 degree.
- Blades marked with thread sizes.
- Precisely ground and finished.



8207-5642



Item	8207-5642
Price	\$15⁴⁰_{pc}

Item	8206-0321
Price	\$15⁴⁰_{pc}

26pc Thickness Gage Set

Features:

- 26 blades: 0.0015-0.025".
- The exact thickness is marked on each blade.
- Supplied in a fitted case.



Item	8202-5031
Price	\$13²⁰_{set}

Machine Counter

Features:

- Registers 0 to 99999.
- Knob resets to zero.
- One count per 45° stroke of shaft lever.
- The arm may be set in any position, and the spring allows for variations in alignment.
- Five-digit counter has clear white numerals, no-glare black finish, chrome-plated arm and spring for rust-free service.
- 4 flanged holes for rigid mounting.
- 15/16" high x 2-1/2" wide x 1-1/2" deep.

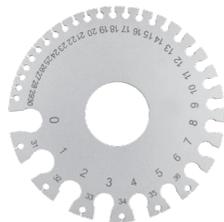


Item	P340-S005
Price	\$13²⁰_{pc}

Non-ferrous & Sheet Metal Gage Tool

Features:

- Hardened & tempered steel.
- 3-1/4" diameter.
- For gaging non-ferrous wire and metal such as copper, brass, etc.
- Supplied in a fitted case.



Item	8207-1020
Price	\$35⁰⁰_{pc}

Quill Stop

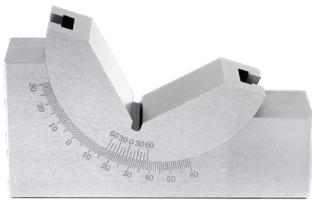
Features:

- Quick action clip.
- Easily installed, quickly moved.
- Clips on quill easily for rapid depth setting.
- Top or bottom positioning.
- 0.020" fine adjustment.
- Fits all Bridgeport and any other mills with a 1/2"-20 stop rod.

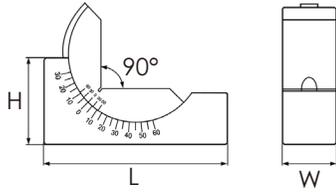


Item	0021-0381
Price	\$13²⁰_{pc}

0~60° Precision Angle Block



3602-0091



Features:

- 0~60° adjustable angle by locking the hex screw on the bottom.
- Squareness 0.0002".
- Angle accuracy ±10 minutes.
- Angle of V: 90°.
- In a fitted plastic case.

Item	Length (L)	Width (W)	Height (H)	Price
3602-0092	2.953"	0.984"	1.299"	\$109.00/PC
3602-0091	4.015"	1.181"	1.811"	\$119.00/PC

0.5" Pocket Thickness Gauge

Features:

- Resolution: 0.001".
- Can be easily adjusted to zero by using the adjustment screw on the frame.
- Measuring faces are hardened, ground and lapped for accuracy.
- Stainless steel spindles.

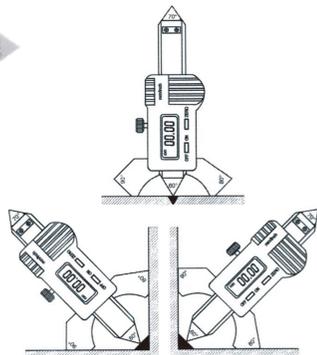


Item	Range	Price
S906-C456	0-0.5"	\$88.00/PC

Digital Welded Seam Caliper



ISO9001



Features:

- Resolution: 0.0005"/0.01mm.
- Accuracy: ±0.0001"/0.01mm.
- Made of stainless steel.
- Provides a direct and clear display. Functions as a prompt transference of the digital system between metric and inch.
- The beam and the slider are entirely heat-treated. All the measuring faces are specially hardened and finished.
- Can check the range of the groove (the gauge has four angular templates: 60°, 70°, 80° and 90°).
- With RS232 output.
- Power supply: 1.5V SR44W.

Item	Range	Price
S906-C429	0-0.08"/0-20mm	\$102.00/PC

CanCNC Tooling Solutions Professional Master Precision Level

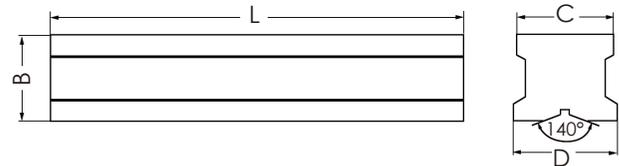


S908-C608



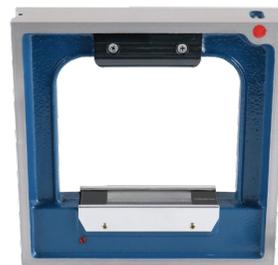
Features:

- Adjustable main vial 0.0002"/10".
- Base with a V-groove.
- With cross test vial.
- Robust cast iron body.
- In a fitted wooden case.



Item	Size (L)	Accuracy	B	C	D	Price
S908-C606	6"	0.0002"/10"	1.830"	1.574"	1.732"	\$152.00/PC
S908-C608	8"	0.0002"/10"	1.830"	1.574"	1.890"	\$183.00/PC
S908-C612	12"	0.0002"/10"	1.830"	1.574"	1.890"	\$219.00/PC

Master Frame Spirit Level



S908-C693



Features:

- Vial sensitivity: 0.0002"/10".
- With cross test vial.
- With insulating grip.
- 2 faces with V-grooves, 2 flat faces.
- Robust cast iron body.

Item	Size	Price
S908-C692	6" x 6"	\$142.00/PC
S908-C693	8" x 8"	\$208.00/PC
S908-C695	12" x 12"	\$238.00/PC

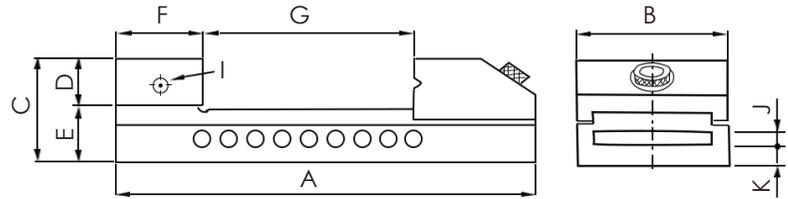




0536-VB30

Features:

- Made of high-quality steel, carburized to surface hardness: HRC 55-60.
- Parallelism 0.003mm/100mm, squareness 0.005mm/100mm.
- Quick clamping and easy operation.
- Used for precision measurement, inspection precision grinding, EDM, and wire-cutting machines.
- Guarantee high accuracy at any position.
- Material: 20 CrMnTi.
- Movable jaw pulls into base at 45 to 60° to ensure maximum holding power and hold down force, eliminating tilting and lifting.
- In a fitted plastic case.



Item	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	I	J (mm)	K (mm)	Weight	Price
0536-VB25	175	63	63	32	31	35	0-90	M6	11	11	6.39lbs	\$139.00/PC
0536-VB30	190	73	70	35	35	35	0-100	M6	12	12	9.48lbs	\$150.00/PC
0536-VB35	235	88	80	40	40	40	0-130	M8	14	14	14.33lbs	\$274.00/PC

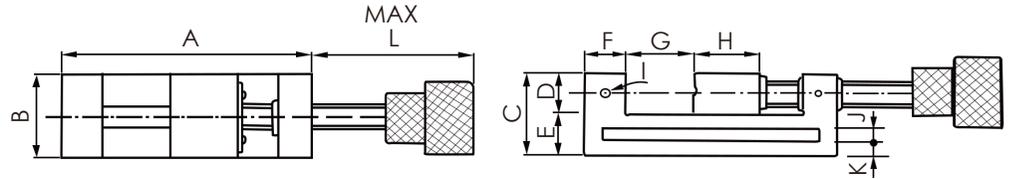




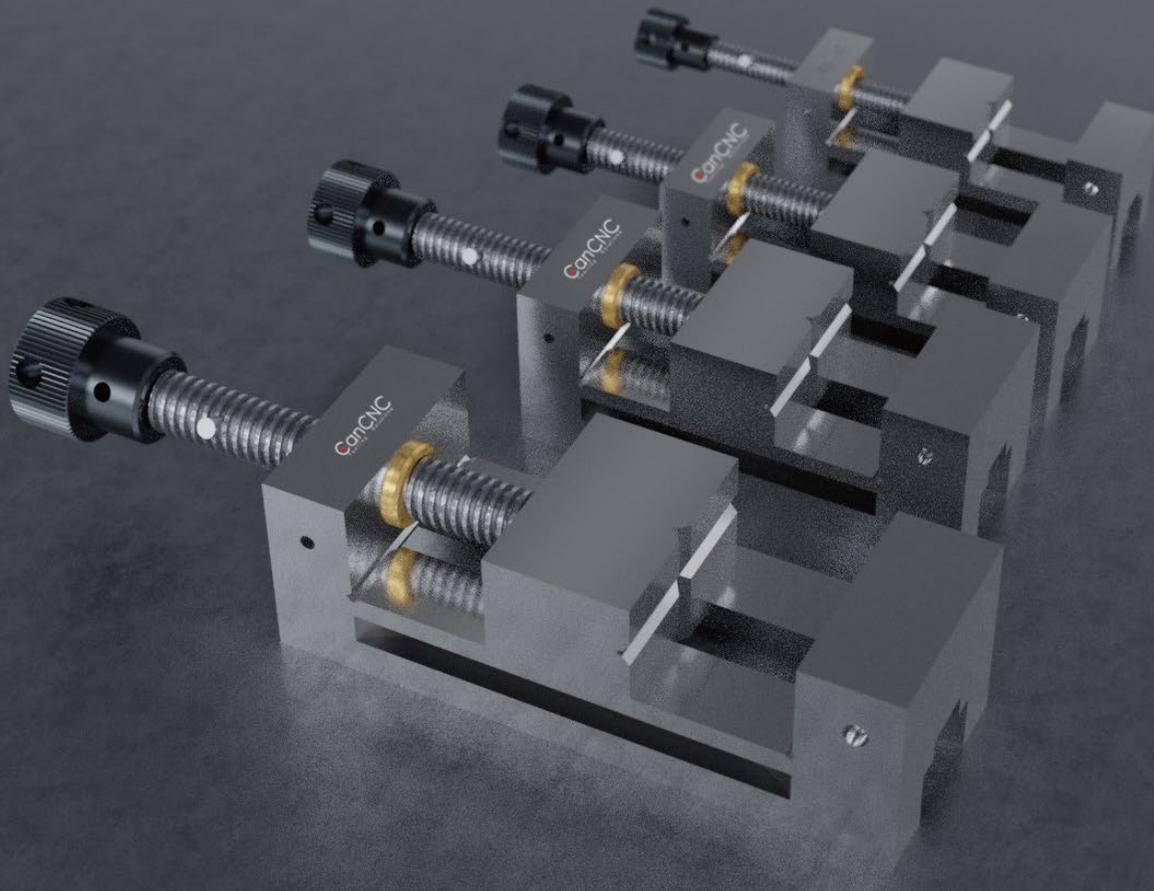
0536-VS20

Features:

- Made of high-quality steel, carburized to surface hardness: HRC 55-60.
- Parallelism 0.003mm/100mm, squareness 0.005mm/100mm.
- Quick clamping and easy operation.
- Used for precision measurement, inspection precision grinding, EDM, and wire-cutting machines.
- Guarantee high accuracy in any position.
- Material: 20 CrMnTi.
- Has a ground "V" way, detachable replacement jaws.
- In a fitted plastic case.

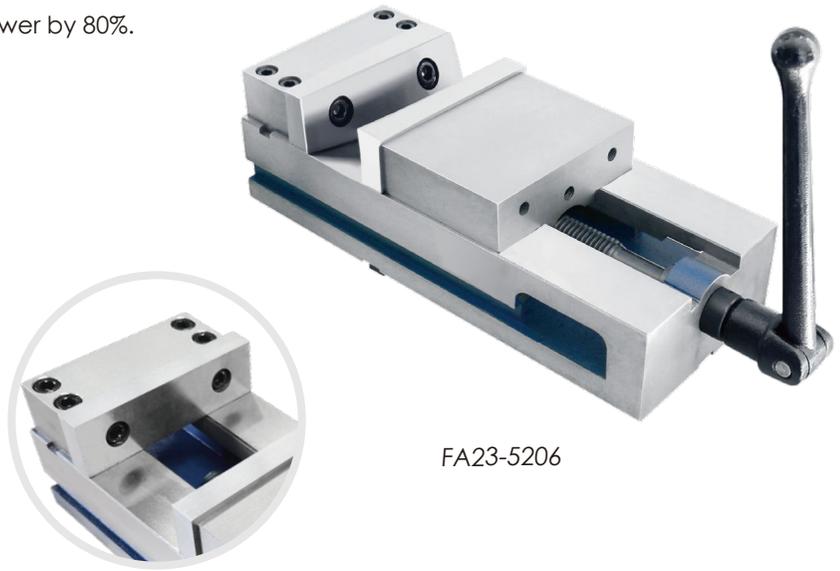
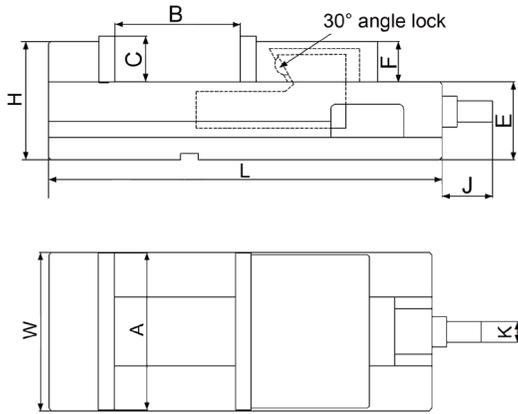


Item	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I	J (mm)	K (mm)	L (mm)	Weight	Price
0536-VS20	156	48	52	25	27	25	0-63	34	M6	8	8	125	5.07lbs	\$139.00/PC
0536-VS25	176	63	63	30	33	30	0-73	40	M6	11	11	147	8.82lbs	\$156.00/PC
0536-VS30	190	73	73	35	38	35	0-76	45	M6	12	12	151	12.13lbs	\$232.00/PC
0536-VS35	250	88	80	42	38	40	0-115	—	M8	—	—	—	22.05lbs	\$328.00/PC



Features:

- Features a thrust bearing that increases clamping power by 80%.
- Can be mounted upright or sideways.
- Excellent to use when you have multiple vise setups.



FA23-5206

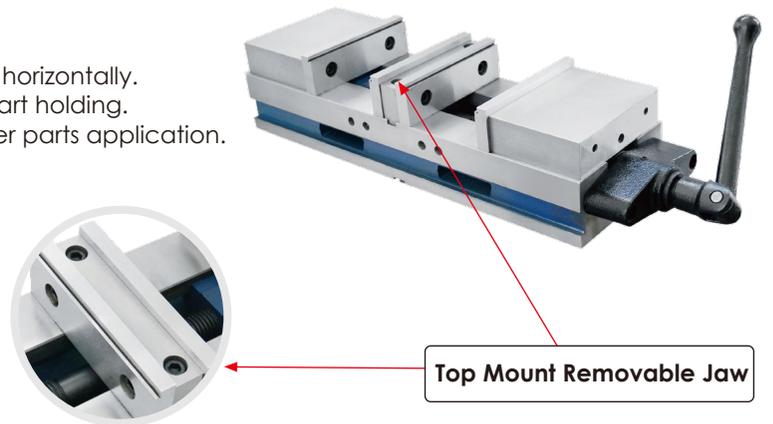
Item	Jaw Width (A)	Jaw Opening (B)	Jaw Depth (C)	E	F	J	K	OAL (L)	Width (W)	Height (H)	Weight	Price
FA23-5203	3"	2.953"	0.945"	1.969"	0.866"	1.181"	0.472"	9.409"	3.189"	2.913"	15lbs	\$189.00/PC
FA23-5204	4"	3.937"	1.260"	2.362"	1.142"	1.378"	0.472"	11.811"	3.976"	3.386"	26lbs	\$263.00/PC
FA23-5206	6"	5.512"	1.772"	3.031"	1.575"	1.890"	0.748"	17.322"	6.339"	4.803"	63lbs	\$428.00/PC

Cannot guarantee the exact location of the keyway slot. The keyway needs to be machined when used in pairs.

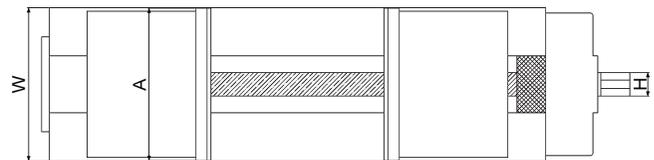
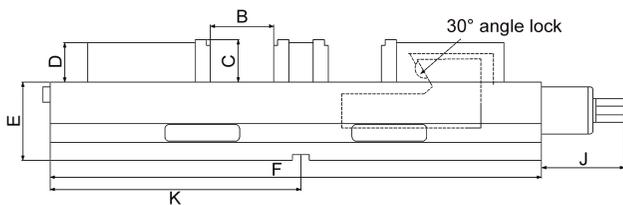
6" Double Lock Angle Tight Precision Machine Vise with 2 Clamping Station

Features:

- Precision clamping force per jaw set.
- Precision ground on all sides, can be mounted vertically or horizontally.
- Reversible hardened jaw plates for standard or, stepped part holding.
- Top mounted center block can be removed easily for larger parts application.
- Spheroidal cast iron body
- Jaw width: 6"(160mm)
- Jaw opening: 3.94"
- Jaw depth: 1.97"
- Total length: 24.49"
- Width: 6.33"
- Height: 5.118"
- Weight: 99lbs



Top Mount Removable Jaw



Item	Jaw Width (A)	Jaw Opening (B)	Jaw Depth (C)	D	E	F	J	K	H	W	Price
FA42-1242	6"	3.94"	1.97"	1.65"	3.15"	20.55"	3.94"	9.96"	0.75"	6.33"	\$934.00/PC

Super Angle Lock Precision Swivel Base Milling Machine Vise

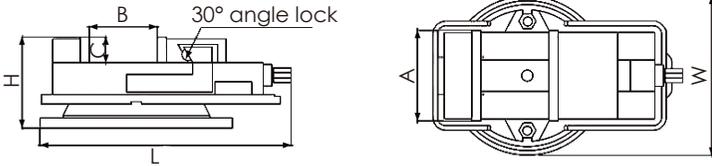
GREAT

Features:

- With swivel base.
- Removable hinged handle for fast locking.
- Provides better clamping pressure.



FA20-4203



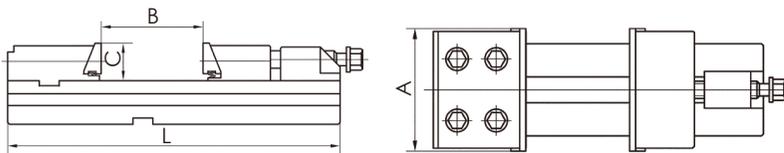
Item	Jaw Width (A)	Jaw Opening (B)	Jaw Depth (C)	OAL (L)	Width (W)	Height (H)	Weight	Price
FA20-4203	3"	3.543"	0.945"	10.433"	4.528"	3.740"	19lbs	\$158.00/PC
FA20-4204	4"	5.511"	1.259"	13.582"	8.858"	4.724"	39lbs	\$252.00/PC
FA20-4206	6"	6.299"	1.771"	17.322"	10.944"	6.023"	83lbs	\$428.00/PC

CanCNC Precision CNC Milling Vise

ISO9001

Features:

- Low profile pull-down jaws.
- Forged steel body.
- This design eliminates clamping deflection and provides strong clamping power.
- Ideal for all types of milling, grinding, drilling and tapping operations on vertical and horizontal CNC machines.
- Made of high-quality steel, carburized to surface hardness: HRC 58-62.
- High accuracy-all surfaces are hardened and precision ground square and parallel to an accuracy of 0.0012" jaws and 0.0008" base.



Item	Jaw Width (A)	Jaw Opening (B)	Jaw Depth (C)	OAL (L)	Price
1202-1025	6"	8"	2"	16.8"	\$1,252.00/PC

MMM-USA CanCNC 3/4" Quick Vise Handle "the Patriot"

Made in USA

Features:

- A 3/4" hex for opening and closing Kurt vises and similar vises that require a 3/4" wrench.
- 3/4" hex has a spring plunger set screw in it, holding the handle in place with 10 lbs of pressure. Taking the handle on or off does not require the use of Allen wrenches.
- Handle grip spins freely while in use.
- With this design no two handles are alike.
- 100% custom and each design might have less or more of one color than the handle in the picture above.
- Country of origin: USA

Item	PATT-0034
Price	\$86 ⁰⁰ _{pc}



Mini Precision Toolmakers Insert Vise

Features:

- Ideal for holding small parts and can be used either separately or held inside a larger vise
- Dimensions:
Jaw width: 1.023"
Jaw opening: 0.866"
Weight: 1.10lbs.
Jaw depth: 0.360"
Length: 2.574"



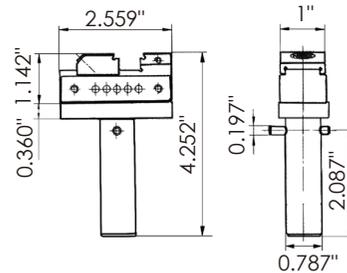
Item	3541-0050
Price	\$79⁰⁰_{pc}

Microde EDM Electrode Holder Vise Standard Electrode Vise

ISO9001

Features:

- Precision ground and hardened to HRC 58-62
- Parallelism: 0.0002"/4"
- Squareness: 0.0002"
- 0.787" diameter shank
- 2.087" from the back of the cross pin to the shank end
- Hardened and ground locating pin
- Jaw opening: 0.787"
- Jaw width: 0.984"
- Jaw height: 0.360"



Item	3510-3001
Price	\$109⁰⁰_{pc}

Carbide Tipped Boring Bar Set

Features:

- Grade C6: carbide for steel and alloy steel.
- Up to 100% longer tool life.
- All shanks are hardened and ground to +0.0000" ~ -0.0005".
- Tool life is extended by the use of extra steel supporting the carbide cutting edge. This prevents chatter, and improves precision.
- The same bar can bore flat-bottom hole or face.
- Grind bars on cutting ends for special tools such as grooving, threading or automatic operations.
- All 1/2", 3/4", and 1" shanks fit most boring and facing heads.



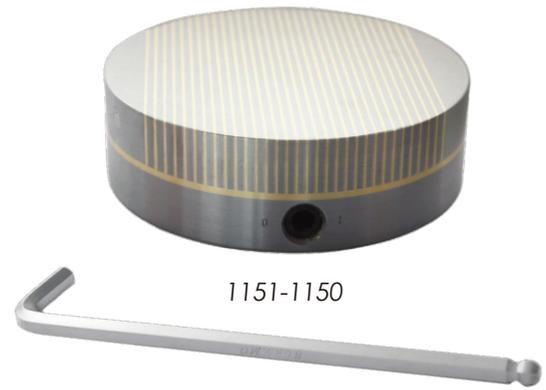
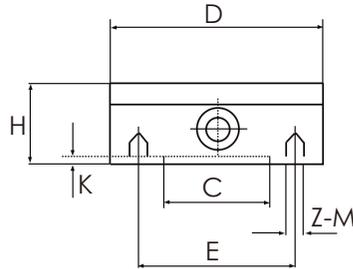
0375-0333

Item	Size	Pcs. In Set	Price
0375-0111	3/8"	9	\$44.00/SET
0375-0333	1/2"	9	\$64.00/SET
0375-0555	5/8"	12	\$77.00/SET
0375-0777	3/4"	12	\$109.00/SET
0375-0999	1"	6	\$152.00/SET

Circular Permanent Magnetic Chuck

Features:

- The round fine-pitch permanent magnet chuck is suitable for grinders and lathes, best for longer and thicker workpieces.
- The round micro pitch permanent magnetic chuck is suitable for grinding applications, best for smaller and thinner workpieces.
- High holding power: max 140lbs/sq.in.
- Steel pole spacing: 1/16", brass pole spacing: 1/32".



Item	D	H	K	C	E	Z-M	Weight	Price
1151-1150	6.299"	1.929"	0.079"	4.921"	5.512"	4xM8	6.5kg	\$616.00/PC
1151-2200	7.874"	2.008"	0.079"	6.299"	7.087"	4xM8	10kg	\$980.00/PC

Magnetic Chuck Parallel & Universal "V" Block

Features:

- Cast integrally with aluminum to ensure the blocks will never crack or become loose even when accidentally dropped.
- Steel is selected for aluminum magnetic transfer and low retention of magnetic flux.

- 1" x 2" x 4" micro parallels ground all over and in pairs.

Item	EG06-2001
Price	\$95 ⁰⁰ set



- "V" blocks are universal (hold in any direction on a magnetic chuck).
- Two V's: 1-7/8" x 2-3/8" x 2".
- Large V: 2" round capacity.
- Small V: 1/2" round capacity.

Item	EG06-2004
Price	\$117 ⁰⁰ set



Compound Angle Plate

Features:

- Solid 1 piece steel construction
- Hardened to HRC 58-62
- Square and parallel within 0.0002"
- Includes 1 clamp

Item	Length	Height	Thickness	Tapped Hole	Price
SBK0-0105	6"	4"	1"	(16)1/4"-20	\$394.00/SET



Ultra-precision V-block & Clamp Set

Features:

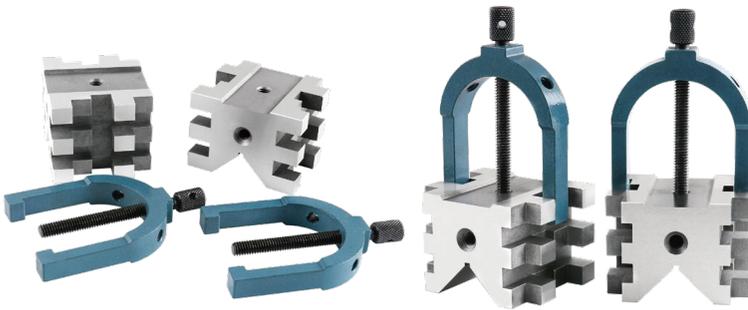
- Guaranteed square parallel & central within 0.0002".
- Hardened & ground to HRC52-58.
- 90° V-block.
- One reversible swing away clamp supplied with each V-block.
- Side slots for easy clamping.
- Supplied in pairs.



3610-9013

Item	Length	Width	Height	Price
3610-9011	1-3/8"	1-3/8"	1-3/16"	\$72.00/SET
3610-9012	2-3/8"	2-3/8"	2"	\$128.00/SET
3610-9013	4-1/8"	4-1/8"	3-1/16"	\$259.00/SET

Multi-use V-block & Clamp Set



Features:

- Stepped groove construction permits low or high clamping.
- Holds square or round work.
- Hardened steel.
- Sold in matched pairs.
- All sides are precision ground, parallel, and square.
- Size: 2-3/8" x 2-3/4" x 2".
- Capacity: 2" round, 1-7/16" square.

Item	0303-0219
Price	\$132 ⁰⁰ _{set}

All-angle V-block & Clamp

Applications:

- For grinding, milling and drilling.

Features:

- Made of hardened and precision ground tool steel.
- All sides are parallel and the vee is central and ground.
- The central hole is provided for drilling or removing pins.
- The 'V' block has four 3/8"-16 tapped holes, two in the base and one on each side for angle iron clamping.
- Each block is provided with a black oxidized clamp.
- Parallelism tolerance of vee axis to base: within 0.0003"/8 microns.
- Dimensions: 3-5/8"L x 1-7/8"W x 1-7/8"H.
- Maximum capacity of vee: 1-5/16" diameter.



Item	3605-3050
Price	\$109 ⁰⁰ _{set}

Magnetic V-block



EG08-1105

Applications:

- Ideal for holding round and irregular shapes for scribing, grinding, measuring, and machining.

Features:

- 145lbs of power holding force.
- Fine precision ground finish for use as an inspection device.
- Has a fixed On/Off switch.

Item	Height	Width	Length	Price
EG08-1101	2-7/8"	2-3/8"	2-3/4"	\$78.00/PC
EG08-1105	3-3/4"	2-3/4"	4"	\$129.00/PC

Machinist Bench Block

Features:

- The machinist bench block is a handy tool for holding work while driving pins, drilling, etc.;
- Made from steel hardened and ground.
- Diameters of the ground holes range from 1/8" to 5/8" (3-16mm).
- The knurled side provides an excellent gripping surface; V-groove across the face accommodates round and odd-shaped stock.



Item	Diameter	Height	Price
EG02-0628	3"	1-1/2"	\$55.00/PC

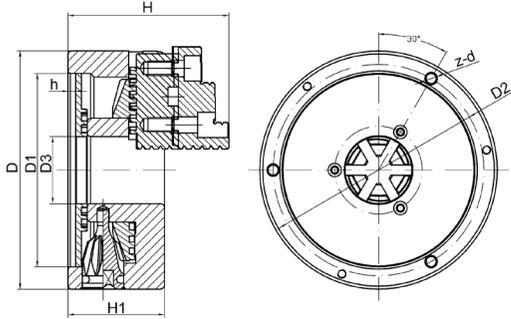
GREAT

ISO9001



Features:

- Two-piece reversible Jaws; Jaws are composed of top and bottom pieces.
- Highly durable; Steel inner mechanisms are quench hardened to increase toughness.
- Plain back.
- RPM 2000 r/min.



0559-0208

Item	Diameter	D	D1	D2	D3	H	H1	h	z-d	Price
0559-0206	6"/160mm	6.299"	5.118"	5.590"	1.772"	4.134"	2.559"	0.197"	3-M8	\$598.00/PC
0559-0208	8"/200mm	7.874"	6.496"	7.087"	2.559"	4.606"	2.953"	0.197"	3-M10	\$693.00/PC

Semi-finished Threaded Back Plate



Features:

- Fits most plain back chucks.
- The back plate shoulder requires machining. For instructions on truing back plate.



0304-0108

Item	Chuck Diameter	Thread	Price
For 3-Jaw, 4-Jaw & 6-Jaw Self-Centering Chucks			
0303-0108	3"	1"-8	\$62.00/PC
0303-0110	3"	1"-10	\$62.00/PC
0304-0108	4"	1"-8	\$73.00/PC
0304-0110	4"	1"-10	\$73.00/PC
0304-1128	4"	1-1/2"-8	\$73.00/PC
0305-0110	5"	1"-10	\$83.00/PC
0305-1128	5"	1-1/2"-8	\$83.00/PC
0306-1128	6"	1-1/2"-8	\$119.00/PC
0306-2148	6"	2-1/4"-8	\$119.00/PC
0308-1128	8"	1-1/2"-8	\$156.00/PC
0308-2148	8"	2-1/4"-8	\$156.00/PC
For 4-Jaw Independent Chucks			
3406-1128	6"	1-1/2"-8	\$119.00/PC
3408-1128	8"	1-1/2"-8	\$156.00/PC

D1 Type Adaptor, Semi-finished

Features:

- D1 type adaptor for most 3-jaw, 6-jaw plain back chucks.
- Direct mounting on camlock spindle noses.
- The back plate shoulder requires machining. For instructions on truing back plate.



2600-0511

Item	Chuck Diameter	Spindle Taper	Price
2600-0517	5"	D1-3	\$105.00/PC
2600-0510	5"	D1-4	\$112.00/PC
2600-0518	6"	D1-3	\$140.00/PC
2600-0511	6"	D1-4	\$139.00/PC
2600-0512	8"	D1-4	\$171.00/PC
2600-0515	8"	D1-5	\$186.00/PC
2600-0513	8"	D1-6	\$186.00/PC

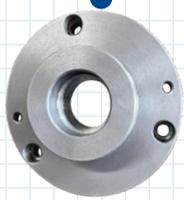
6-jaw Self-centering Scroll Lathe Chuck (Plain Back)



6"
0559-0206

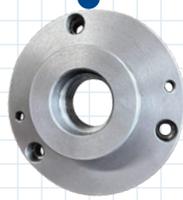


8"
0559-0208



1-1/2"-8

0306-1128



2-1/4"-8

0306-2148



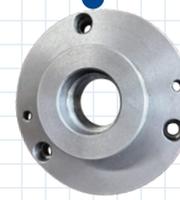
D1-4

2600-0511



1-1/2"-8

0308-1128



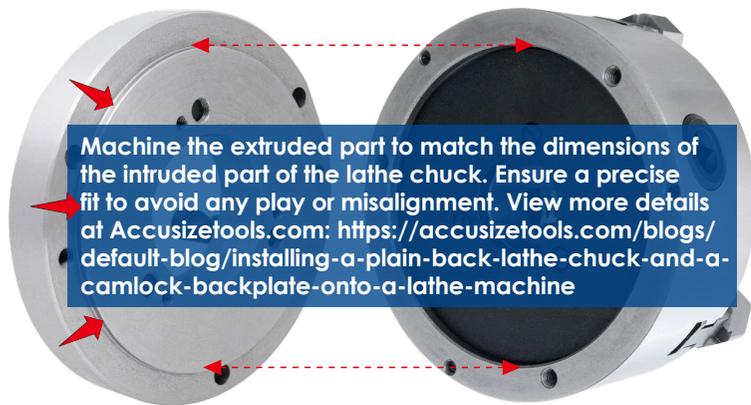
2-1/4"-8

0308-2148

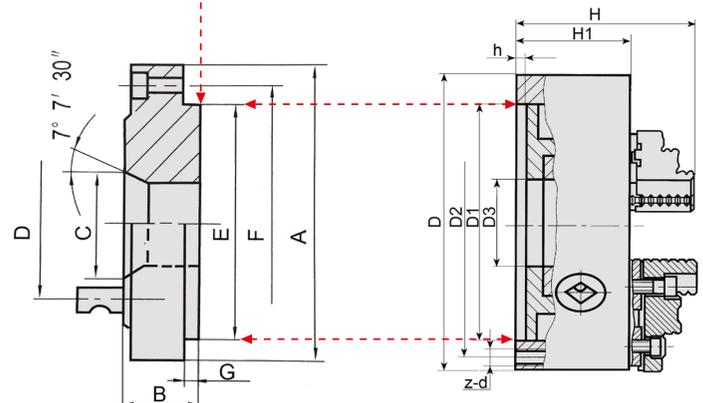


D1-4

2600-0512



Machine the extruded part to match the dimensions of the intruded part of the lathe chuck. Ensure a precise fit to avoid any play or misalignment. View more details at accusizeTools.com/blogs/default-blog





0223-0361



0223-0362

Features:

- Fast, single-step tool changes—no need to adjust the drawbar when swapping out cutting tools.
- Spring collets are hardened and ground for maximum holding power and ultra-precision.
- Drawbar thread: MT3 shank: 1/2" - 13;
R8 shank: 7/16" - 20;
- Collets snap into the nut first, then the assembly is tightened into the holder.
- Accuracy: 1/8" - 3/8": 0.00039" (0.010mm);
7/16" - 1": 0.00059" (0.015mm);
- Each set includes: 1pc chuck holder with 1pc OZ clamping nut, nominal size OZ full grip collets, 1pc non-slip spanner wrench, and 1pc molded plastic case.



0223-0362

7-pc set includes the collets of the following sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" and 1"; it also includes a wrench & an R8 BridgePort chuck holder

Item	Size	Chuck	Price
0223-0361	OZ25	R8	\$216.00/SET

7-pc set includes the collets of the following sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" and 1"; it also includes a wrench & an MT3 chuck holder

Item	Size	Chuck	Price
0223-0363	OZ25	MT3	\$216.00/SET

15-pc set includes the collets of the following sizes: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" and 1"; it also includes a wrench & an R8 BridgePort chuck holder

Item	Size	Chuck	Price
0223-0362	OZ25	R8	\$326.00/SET

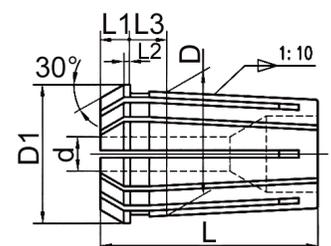
15-pc set includes the collets of the following sizes: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" and 1"; it also includes a wrench & an MT3 chuck holder

Item	Size	Chuck	Price
0223-0364	OZ25	MT3	\$326.00/SET

OZ25 collet: (B type)



Model No.	D	D1	d	L	L1	L2	L3
OZ25	1.295"	1.261"	3/32" - 1"	2.047"	0.236"	0.055"	0.393"



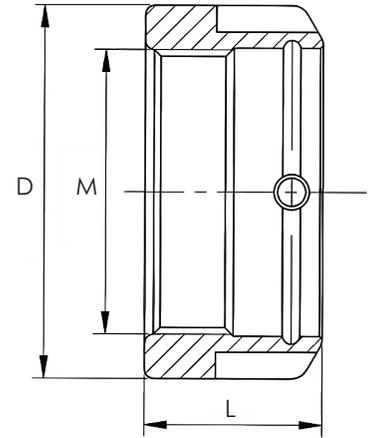
Ball Bearing ER Collet Chuck Nut

Balanced to 18,000 RPM at G2.5



Features:

- **Ball bearing technology:** built-in sliding module ensures uniform force distribution and prevents collet twisting.
- **Higher precision:** reduces vibration and noise; balanced to 18,000 RPM at G2.5.
- **Extended life:** strong clamping force prevents nut wear and tool breakage.



Item	Collet Series	Collet Nut Style	Style	D	L	M	Price
0537-1600	ER16	ER16B-A	Hex	1.10" (28mm)	0.68" (17.5mm)	M22 x 1.5-6H	\$30.00/PC
0537-2000	ER20	ER20B-A	Hex	1.33" (34mm)	0.74" (19mm)	M25 x 1.5-6H	\$30.00/PC
0537-2500	ER25	ER25B-UM	Slotted	1.65" (42mm)	0.78" (20mm)	M32 x 1.5-6H	\$29.00/PC
0537-3200	ER32	ER32B-UM	Slotted	1.96" (50mm)	0.88" (22.5mm)	M40 x 1.5-6H	\$32.00/PC
0537-4000	ER40	ER40B-UM	Slotted	2.48" (63mm)	1.00" (25.5mm)	M50 x 1.5-6H	\$35.00/PC

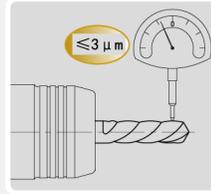


High-Quality Alloy Steel Construction

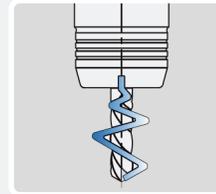
- Manufactured from premium alloy steel enriched with Cr, Ni, and Mo elements, offering exceptional material stability, superior wear resistance, and rust protection.
- Vacuum heat-treated for consistent precision.

Ease of Tool Installation and Operation

- Simple tool installation using a tightening torque of **6 Nm to 12 Nm**, enabling quick and user-friendly operation.
- High clamping force and superior torque capacity for demanding machining tasks.
- Quick tool changes without requiring auxiliary devices, improving efficiency.



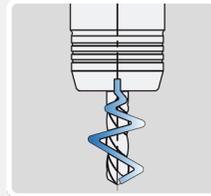
High runout accuracy, less than 0.003mm (0.00012")



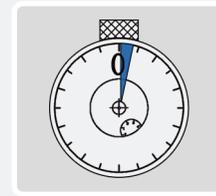
Vibration damping



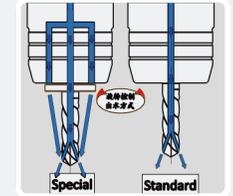
Easy handling and tool change with a force 6/12NM



High clamping force, the torque reaches



Fast set-up time



Two types of cooling



The Actuation Screw

The actuation piston is moved with the actuation screw and tightened to a dead stop without a torque wrench.

The Toolholder Body

The toolholder body includes the machine interface, e.g. HSKSK, JIS-BT, CAT, etc.

The Actuation Piston

The actuation piston compresses the hydraulic fluid into the chamber system.

The Length Adjustment Screw

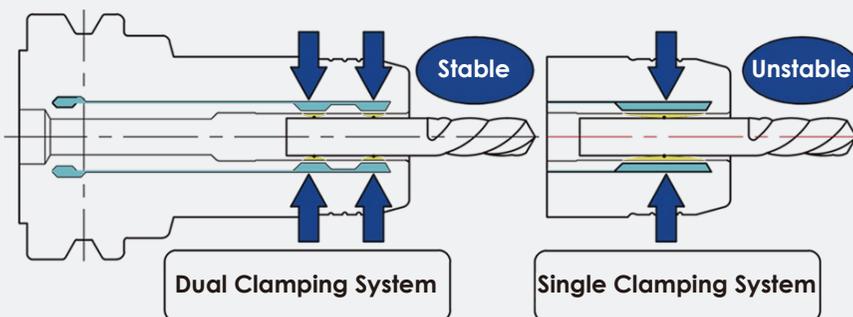
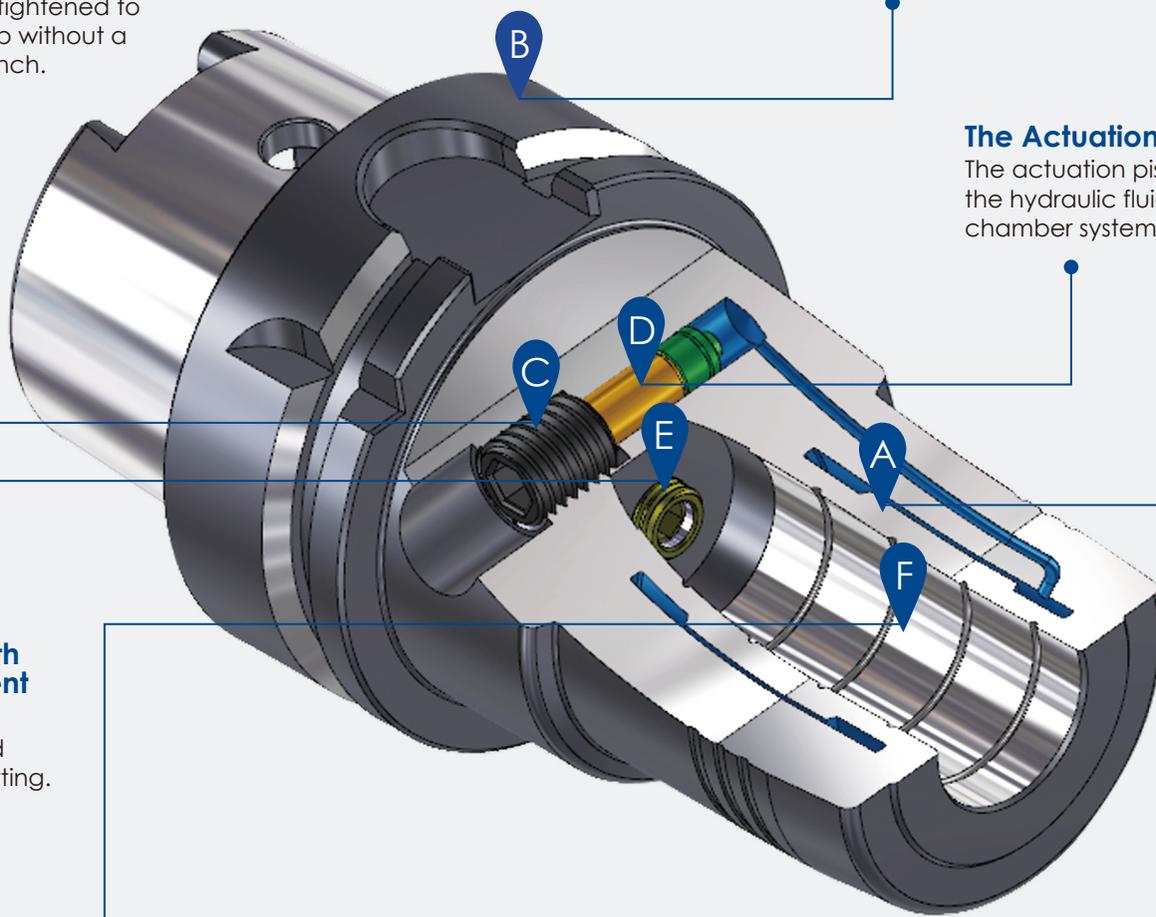
For fast and easy presetting.

The Groove

The enormous clamping pressure of the TENDO hydraulic expansion toolholder creates a displacement of oil, grease, or lubricant residues into the groove causing surfaces to remain dry.

High-Quality Alloy Steel Construction

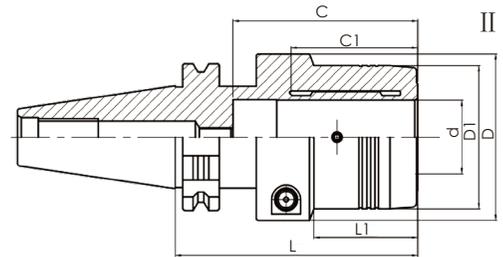
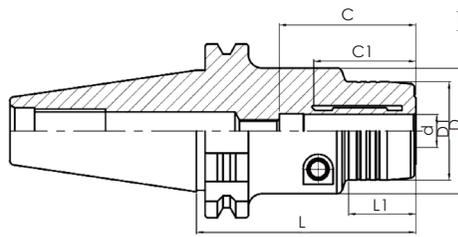
The expansion sleeve expands against the tool shank. This clamping process first centers the tool shank before fully clamping it over the whole surface. The chamber system fills TH with hydraulic fluid, exerting a damping effect on the clam-eped tool. Wear on the cutting edge of the tool is minimized, service life is increased by up to 40 %.



- "Dual clamping points system" for stable and high precision clamping.

Superior Surface Finish and Vibration Dampening

- Provides excellent surface finish with minimal vibration marks during machining.
- Operates with **low noise levels** due to exceptional vibration-dampening properties.
- Dynamic runout accuracy maintained within **0.003 mm (0.00012")**, ensuring precision at high speeds.
- Balancing specifications:
CAT40 G2.5@20000 RPM
CAT50 G2.5@15000 RPM
- Wrench supplied.



CAT40

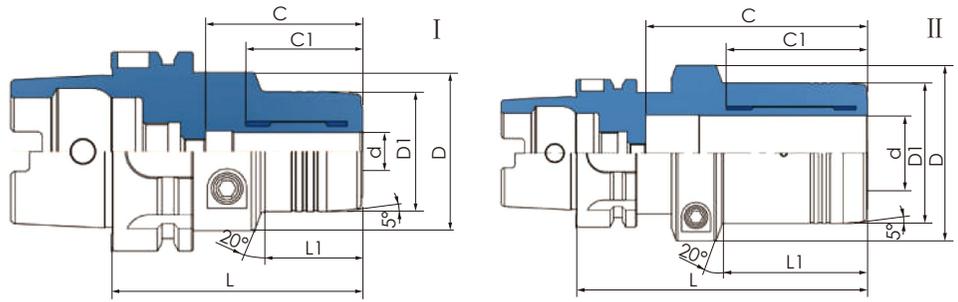
Item	Taper	Base Code	d	D1	D	L	L1	Insection Length (C1)	Insection Length (C)	Price
8040-0014	CAT40-PHC 1/4"-3.15"	I	1/4"	1.18"	1.73"	3.15"	1.28"	1.18"	1.86"	\$348.00/PC
8040-0516	CAT40-PHC 5/16"-3.15"	I	5/16"	1.26"	1.73"	3.15"	1.28"	1.18"	1.86"	\$348.00/PC
8040-0038	CAT40-PHC 3/8"-3.15"	I	3/8"	1.34"	1.73"	3.15"	1.28"	1.50"	2.00"	\$348.00/PC
8040-0012	CAT40-PHC 1/2"-3.15"	I	1/2"	1.42"	1.73"	3.15"	1.28"	1.50"	2.00"	\$348.00/PC
8040-0058	CAT40-PHC 5/8"-3.15"	I	5/8"	1.57"	1.73"	3.15"	1.28"	1.57"	2.04"	\$348.00/PC
8040-0034	CAT40-PHC 3/4"-3.16"	I	3/4"	1.73"	1.73"	3.16"	2.42"	1.57"	2.04"	\$348.00/PC
8040-0001	CAT40-PHC 1"-4.92"	II	1"	2.05"	2.48"	4.92"	2.56"	1.97"	2.56"	\$360.00/PC
8040-0114	CAT40-PHC 1-1/4"-4.92"	II	1-1/4"	2.32"	2.50"	4.92"	2.56"	2.20"	2.59"	\$418.00/PC

CAT50

Item	Taper	Base Code	d	D1	D	L	L1	Insection Length (C1)	Insection Length (C)	Price
8150-0014	CAT50-PHC 1/4"-3.54"	I	1/4"	1.10"	1.81"	3.54"	1.02"	1.18"	1.83"	\$468.00/PC
8150-0516	CAT50-PHC 5/16"-3.54"	I	5/16"	1.18"	1.89"	3.54"	1.02"	1.18"	1.83"	\$468.00/PC
8150-0038	CAT50-PHC 3/8"-3.54"	I	3/8"	1.42"	2.05"	3.54"	1.02"	1.42"	2.24"	\$468.00/PC
8150-0012	CAT50-PHC 1/2"-3.54"	I	1/2"	1.50"	2.13"	3.54"	1.02"	1.42"	2.24"	\$468.00/PC
8150-0058	CAT50-PHC 5/8"-3.54"	I	5/8"	1.65"	2.28"	3.54"	1.10"	1.99"	2.56"	\$468.00/PC
8150-0034	CAT50-PHC 3/4"-3.54"	I	3/4"	1.81"	2.36"	3.54"	1.10"	1.81"	2.56"	\$468.00/PC
8150-0001	CAT50-PHC 1"-4.13"	II	1"	2.13"	2.60"	4.13"	1.50"	1.93"	2.56"	\$489.00/PC
8150-0114	CAT50-PHC 1-1/4"-4.13"	II	1-1/4"	2.52"	2.83"	4.13"	1.65"	2.24"	3.15"	\$489.00/PC

Superior Surface Finish and Vibration Dampening

- Provides excellent surface finish with minimal vibration marks during machining.
- Operates with **low noise levels** due to exceptional vibration-dampening properties.
- Dynamic runout accuracy maintained within **0.003 mm (0.00012")**, ensuring precision at high speeds.
- Balancing specifications:
HSK63A G2.5@30000 RPM
HSK100A G2.5@20000 RPM
- Wrench supplied.



HSK63A

Item	Taper	Base Code	d	D1	D	L	L1	Insection Length (C1)	Insection Length (C)	Price
8263-0014	HSK63A-PHC 1/4"-3.15"	I	1/4"	1.26"	1.91"	3.15"	1.28"	1.18"	1.83"	\$438.00/PC
8263-0516	HSK63A-PHC 5/16"-3.15"	I	5/16"	1.34"	1.99"	3.15"	1.28"	1.33"	1.83"	\$438.00/PC
8263-0038	HSK63A-PHC 3/8"-3.15"	I	3/8"	1.42"	2.07"	3.15"	1.28"	1.48"	1.97"	\$438.00/PC
8263-0012	HSK63A-PHC 1/2"-3.15"	I	1/2"	1.50"	2.07"	3.15"	1.28"	1.48"	1.97"	\$438.00/PC
8263-0058	HSK63A-PHC 5/8"-3.54"	I	5/8"	1.65"	2.05"	3.54"	1.62"	1.67"	2.36"	\$438.00/PC
8263-0034	HSK63A-PHC 3/4"-3.54"	I	3/4"	1.81"	2.05"	3.54"	1.65"	1.67"	2.01"	\$438.00/PC
8263-0001	HSK63A-PHC 1"-4.72"	II	1"	2.09"	2.48"	4.72"	2.22"	1.97"	3.35"	\$456.00/PC
8263-0114	HSK63A-PHC 1-1/4"-4.92"	II	1-1/4"	2.36"	2.91"	4.92"	2.42"	2.36"	3.74"	\$462.00/PC

HSK100A

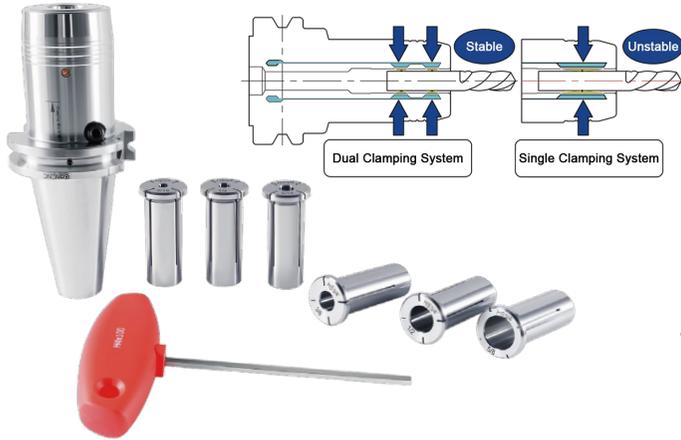
Item	Taper	Base Code	d	D1	D	L	L1	Insection Length (C1)	Insection Length (C)	Price
8100-0014	HSK100A-PHC1/4"-3.35"	I	1/4"	1.26"	1.97"	3.35"	1.28"	1.30"	1.83"	\$682.00/PC
8100-0516	HSK100A-PHC5/16"-3.35"	I	5/16"	1.34"	1.97"	3.35"	1.28"	1.18"	1.83"	\$682.00/PC
8100-0038	HSK100A-PHC3/8"-3.54"	I	3/8"	1.42"	2.05"	3.54"	1.28"	1.42"	1.83"	\$682.00/PC
8100-0012	HSK100A-PHC1/2"-3.54"	I	1/2"	1.50"	2.05"	3.54"	1.48"	1.57"	1.97"	\$682.00/PC
8100-0058	HSK100A-PHC5/8"-3.94"	I	5/8"	1.65"	2.28"	3.94"	1.57"	1.69"	2.13"	\$682.00/PC
8100-0034	HSK100A-PHC3/4"-4.13"	I	3/4"	1.81"	2.36"	4.13"	1.79"	1.57"	2.09"	\$682.00/PC
8100-0001	HSK100A-PHC1"-4.33"	II	1"	2.09"	2.48"	4.33"	2.24"	1.93"	2.83"	\$709.00/PC
8100-0114	HSK100A-PHC1-1/4"-4.33"	II	1-1/4"	2.44"	2.95"	4.33"	2.24"	2.17"	2.83"	\$709.00/PC

Unique Internal Structure for Maximum Precision and Rigidity

- Engineered with a unique internal structure that ensures high precision and exceptional rigidity.
- Components are precisely aligned and locked in one seamless motion for optimal performance.
- **A dual-clamping system guarantees enhanced accuracy and stability.**
- Runout accuracy within **3 µm (0.00012")** at 4x the diameter, ensuring high precision over extended tool lengths.
- In a fitted aluminum case.

GREAT

ISO9001



8040-6058



6-pc set includes the hydraulic sleeves of the following sizes: 3/16", 1/4", 5/16", 3/8", 1/2", & 5/8"; it also includes a tightening torque & a CAT40-PHC 3/4"-3.16" hydraulic chuck

7-pc set includes the hydraulic sleeves of the following sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", & 1"; it also includes a tightening torque & a CAT40-PHC 1-1/4"-4.92" hydraulic chuck

Item	Chuck Holder	Price
8040-6058	CAT40-PHC 3/4"-3.16"	\$728.00/SET

Item	Chuck Holder	Price
8040-7001	CAT40-PHC 1-1/4"-4.92"	\$858.00/SET

GREAT



8263-6058



6-pc set includes the hydraulic sleeves of the following sizes: 3/16", 1/4", 5/16", 3/8", 1/2", & 5/8"; it also includes a tightening torque & a HSK63A-PHC 3/4"-3.54" hydraulic chuck

7-pc set includes the hydraulic sleeves of the following sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", & 1"; it also includes a tightening torque & a HSK63A-PHC 1-1/4"-4.92" hydraulic chuck

Item	Chuck Holder	Price
8263-6058	HSK63A-PHC 3/4"-3.54"	\$886.00/SET

Item	Chuck Holder	Price
8263-7001	HSK63A-PHC 1-1/4"-4.92"	\$998.00/SET

Reduction Sleeves 4 Slots for High Precision Hydraulic Chuck

**HIGH PRECISION
HYDRAULIC CHUCK**
CanCNC Hydraulic Chuck System

ISO9001

NEW



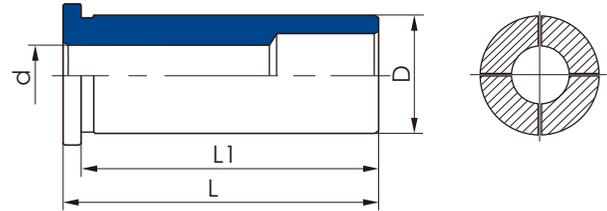
5371-3951



5371-3956

Features:

- Runout tolerance within 0.003 mm (0.00012") at 4xD diameters position.
- This type can satisfied most hydraulic chuck of band and waterproofed.
- Maximum flexibility with optmun cost control: one toolholder, several clamping diameters. A higher metal cutting volume than direct clamping, due to a higher torque.



Item	Type	d	D	L	L1	Price
5371-3950	HS3/4"-1/8"	1/8"	3/4"	2.10"	1.99"	\$66.00/PC
5371-3951	HS3/4"-3/16"	3/16"	3/4"	2.10"	1.99"	\$66.00/PC
5371-3952	HS3/4"-1/4"	1/4"	3/4"	2.10"	1.99"	\$66.00/PC
5371-3953	HS3/4"-5/16"	5/16"	3/4"	2.10"	1.99"	\$66.00/PC
5371-3954	HS3/4"-3/8"	3/8"	3/4"	2.10"	1.99"	\$66.00/PC
5371-3955	HS3/4"-7/16"	7/16"	3/4"	2.10"	1.99"	\$66.00/PC
5371-3956	HS3/4"-1/2"	1/2"	3/4"	2.10"	1.99"	\$66.00/PC
5371-3957	HS3/4"-9/16"	9/16"	3/4"	2.10"	1.99"	\$66.00/PC
5371-3958	HS3/4"-5/8"	5/8"	3/4"	2.10"	1.99"	\$66.00/PC
5371-3959	HS1-1/4"-1/8"	1/8"	1-1/4"	2.54"	2.40"	\$72.00/PC
5371-3960	HS1-1/4"-3/16"	3/16"	1-1/4"	2.54"	2.40"	\$72.00/PC
5371-3961	HS1-1/4"-1/4"	1/4"	1-1/4"	2.54"	2.40"	\$72.00/PC
5371-3962	HS1-1/4"-5/16"	5/16"	1-1/4"	2.54"	2.40"	\$72.00/PC
5371-3963	HS1-1/4"-3/8"	3/8"	1-1/4"	2.54"	2.40"	\$72.00/PC
5371-3964	HS1-1/4"-7/16"	7/16"	1-1/4"	2.54"	2.40"	\$72.00/PC
5371-3965	HS1-1/4"-1/2"	1/2"	1-1/4"	2.54"	2.40"	\$72.00/PC
5371-3966	HS1-1/4"-9/16"	9/16"	1-1/4"	2.54"	2.40"	\$72.00/PC
5371-3967	HS1-1/4"-5/8"	5/8"	1-1/4"	2.54"	2.40"	\$72.00/PC
5371-3968	HS1-1/4"-11/16"	11/16"	1-1/4"	2.54"	2.40"	\$72.00/PC
5371-3969	HS1-1/4"-3/4"	3/4"	1-1/4"	2.54"	2.40"	\$72.00/PC
5371-3970	HS1-1/4"-7/8"	7/8"	1-1/4"	2.54"	2.40"	\$72.00/PC
5371-3971	HS1-1/4"-1"	1"	1-1/4"	2.54"	2.40"	\$72.00/PC



When working on CNC machines, cutting tools and pull studs must be mounted to the appropriate tool holder. Traditional single-direction tool-lock fixtures may not provide sufficient support for tightening or loosening these components during production, assembly, or maintenance. An ideal universal tool-lock base incorporates both an upward-facing snap ring and a downward-facing snap ring, allowing it to securely accommodate CNC pull studs, ER nuts, and various other tooling from both directions.



BT30 or BT40 Tool Holder Tightening Fixture (Double-Head, Anodized & Hardened)



Features (rephrased for parallel structure and clarity):

- **Double-ended design** for mounting from both sides—makes tool-holder installation and removal faster and more convenient.
- **Rugged construction** from aluminum alloy and alloy steel to protect tool holders and withstand higher torque without slippage.
- **Sliding block positioning** ensures correct orientation and prevents skidding under load.
- **Innovative composite materials** for durability and comprehensive protection of the holder.



BT30-8530

Item	Applicable Model	Price
BT30-8530	BT30	\$252.00/PC
BT40-8540	BT40	\$270.00/PC

CAT40 Collet Chuck Tightening Fixture (Also Fits SK40, JT40)



Features:

- **Compatible with** CAT40, SK40, and JT40 holders.
- **Secure grip** with non-slip, hardened engagement surfaces to handle higher torque.
- **Easy installation** on a workbench or fixture plate; reliable alignment that protects the tool holder from damage.
- **Alloy construction** (aluminum + steel) featuring a conical interface to secure and protect the tool holder.



Item	CT40-7840
Price	\$270 ⁰⁰ _{pc}

CAT50 Collet Chuck Tightening Fixture (Also Fits SK50, JT50)



Features:

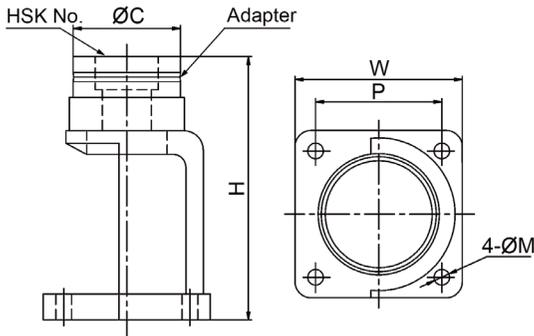
- **Compatible with** CAT50, SK50, and JT50 holders.
- **Non-slip, hardened surfaces** for safe tightening and loosening at higher torque.
- **Sturdy, light alloy design** that helps avoid skidding and extends fixture life.
- **Linear (or 'low-profile') design** allows stable positioning and comprehensive protection of tool holders.



Item	CT50-7850
Price	\$394 ⁰⁰ _{pc}

Features:

- **Fits HSK A/B/C/D/E/F holders** (check model lists for compatibility).
- **Interchangeable** with certain NBT and BT holders (e.g., HSK0-0032 supports NBT30 & BT30).
- **Needle-roller lock design** ensures a reliable grip without damaging the holder.
- **Bearing-type tightening** helps protect holders from scratches and boosts assembly efficiency.
- **Durable yet flexible**—made from hardened alloy steel/aluminum for repeated high-torque tightening.
- **Easy to mount** with four cap bolts (included) for secure attachment to the work surface.



HSK0-0050

Item	Suitable to Tool Holder	C	H	W	P	M	Price
HSK0-0032	HSK32A/B/C/D/E/F, NBT30/BT30	2.677"	6.692"	3.149"	4.173"	M10	\$155.00/PC
HSK0-0040	HSK40A/B/C/D/E/F	2.677"	6.692"	3.149"	4.173"	M10	\$155.00/PC
HSK0-0050	HSK50A/B/C/D/E/F	2.874"	6.692"	3.149"	4.173"	M10	\$155.00/PC
HSK0-0063	HSK63A/B/C/D/E/F, NBT40/BT40	3.425"	7.480"	3.149"	4.173"	M10	\$170.00/PC

Features:

- **Versatile mounting**—use horizontally or vertically to simplify workflow and reduce setup time.
- **Compact, bench-friendly design**—easy to install on work tables, tool carts, or machine stands.
- **Quick access** to cutting tools and pull studs for faster tool changes.
- **Secure clamp** that locks the holder firmly to prevent slipping, ensuring both safety and precision.



LD00-CT50

Item	Taper of Tool Holder	Outsize (mm)	Weight	Price
LD00-BT40	BT40	205 x 98.5 x 128	8.38lbs	\$119.00/PC
LD00-CT40	CAT40	205 x 98.5 x 128	8.38lbs	\$119.00/PC
LD00-CT50	CAT50	275 x 150 x 198	25.13lbs	\$172.00/PC



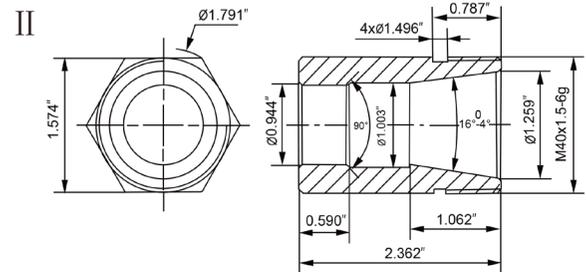
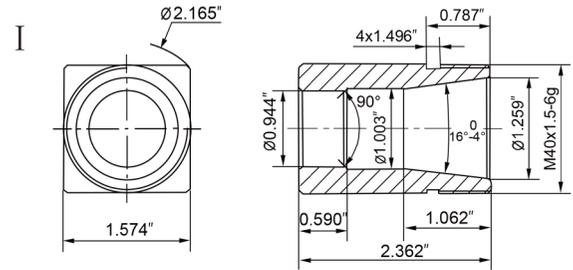
6920-3204



6920-3206

Features:

- Use standard ER collets for fast set-ups on CNC machines.
- For parallel, square or hex shapes as well as for cross-hole drilling at 60, 90 or 120 degrees.
- Made of alloy tool steel hardened and ground to 0.0005" flatness, sureness and parallelism.
- May be used standing upright.
- Block dimensions are approximately 1-3/4" x 1-3/4" x 2-3/4".
- 15/16" through-hole allows for long parts to be machined.
- ER wrench not included; can be purchased separately.



Item	Base Code	Description	Price
6920-3204	I	Square ER-32 Collet Block	\$93.00/PC
6920-3206	II	Hex ER-32 Collet Block	\$93.00/PC

Collet Block Chuck for 5C Collets

Applications:

- Designed for the popular 5C round, hex or square collets.
- An effective short-run jig for machining parallel, square, or hex shapes, as well as for cross hole drilling at 60°, 90°, or 120°.
- Blocks can be held directly on a magnetic chuck or in a machine vise.

Features:

- Each block weighs 1 lb and dimensions are approximately 1-3/4" x 1-3/4" x 2-3/4" long.
- Capacity: 1/16" thru 1-1/8".
- Made of high-quality tool steel, hardened.
- Precision ground, parallel and square to within 0.0005".

Set includes:

- 1pc square block, 1pc hex block, and 1pc lever operated closer.
- 2pcs nut closers.



Item	2250-2080
Price	\$120 ⁰⁰ _{set}

Precision Keyless Drill Chuck, Heavy-duty with Integrated Shank, Titanium Jaws

GREAT

ISO9001

Features:

- Heavy-duty design for CNC & manual drilling & counterboring operations.
- High precision keyless chuck-arbor integrated for a single-piece construction.
- Integral shank design more compact than a combined drill chuck and arbor, eliminating the possibility of a chuck slipping off its arbor.
- Single-piece construction provides for increased accuracy and greater rigidity.
- Safer than separate shank models.
- Titanium Jaws hardened to HRC 60.
- Increased holding power when tightened by wrench, preventing tool slippage.
- Easy to use.
- TIR: 0.003".
- Wrench supplied.



Item	Capacity	Shank	Drawbar Thread	Price
0537-1208	1/16-1/2"	R8	7/16"-20	\$108.00/PC
0537-1202	1/16-1/2"	MT2	Tang	\$88.00/PC
0537-1203	1/16-1/2"	MT3	Tang	\$95.00/PC
0537-1204	1/16-1/2"	MT4	Tang	\$108.00/PC
0537-5801	1/16"-5/8"	R8	7/16"-20	\$112.00/PC
0537-5802	1/16-5/8"	MT2	Tang	\$95.00/PC
0537-5803	1/16-5/8"	MT3	Tang	\$98.00/PC
0537-5804	1/16-5/8"	MT4	Tang	\$112.00/PC

CanCNC Drill Chuck Key Type

ISO9001

Features:

- All parts are made of high-grade alloy steel, and heat-treated resulting in great durability.
- TIR: 0.005".
- Wrench supplied.



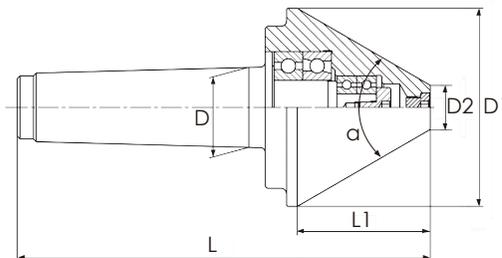
Item	Capacity	Jacobs Taper	Price
0222-0701	1/32-1/4"	JT1	\$23.00/PC
0222-0702	1/32-3/8"	JT2	\$26.00/PC
0222-0703	1/32-1/2"	JT6	\$33.00/PC
0222-0704	1/32-1/2"	JT33	\$33.00/PC
0222-0705	1/32-5/8"	JT3	\$42.00/PC
0222-0708	1/32-5/8"	JT33	\$42.00/PC
0222-0706	3/16-3/4"	JT3	\$50.00/PC

CanCNC Bull Nose Live Center

NEW

Features:

- The head is made of high carbon alloy steel.
- The live center has a combination of deep groove ball bearing.
- Higher grade of ball bearing allows this live center to be more accurate in runout.
- TIR: 0.0004".
- In a fitted case.



Item	Morse Taper	Model	D	D1	D2	L1	L	TIR	α	Maximum Weight of Work Piece	Max RPM	Weight	Price
5312-1010	MT2	SX-63-MT2	0.70"	2.50"	0.81"	1.46"	5.76"	0.0004"	60°	440lbs	2500	1.98lbs	\$150.00/PC
5312-1410	MT3	SX-100-MT3	0.94"	4.00"	1.00"	2.00"	6.42"	0.0004"	75°	880lbs	2500	6.39lbs	\$216.00/PC
5312-1810	MT4	SX-128-MT4	1.23"	5.04"	1.57"	2.26"	7.78"	0.0004"	75°	1760lbs	2000	10.47lbs	\$284.00/PC
5312-2210	MT5	SX-160-MT5	1.75"	6.22"	1.81"	2.89"	8.99"	0.0004"	75°	3000lbs	1500	23.15lbs	\$416.00/PC

Features:

- Hardened steel, hardness HRC 50–60 on 6 sides.
- Precision ground on all sides.
- An 11-hole block includes 5 tapped holes (5/16"-18 for EG02-0405 for clamping and 6 untapped holes drilled through).
- A 23-hole block includes 5 tapped holes (3/8"-16 for EG06-0411 & EG02-0412, 5/8"-11 for EG06-0415 & EG02-0416) for clamping and 18 untapped holes drilled.
- Drilled hole size: 0.500-0.501" for EG02-0406.
- Cross drilling design gives minimum weight and maximum strength.
- Extremely versatile for precision layout, grinding and set-up work.
- Each set contains two matched blocks.



EG06-0411

Item	Size	Desc.	Parallelism	Squareness	Size Range	Price
EG06-0411	1-2-3"	23 Holes	0.0002"	0.0003"/1"	±0.0002"	\$36.00/SET
EG02-0412	25-50-75mm	23 Holes	0.005mm	0.0075/25mm	±0.005mm	\$36.00/SET
EG02-0405	1-2-3"	11 Holes	0.0002"	0.0001"/1"	±0.0003"	\$39.00/SET
EG02-0406	1-2-3"	1 Hole	0.0002"	0.0003"/1"	±0.0002"	\$36.00/SET
EG02-0407	1-2-3"	No hole	0.0002"	0.0003"/1"	±0.0002"	\$36.00/SET
EG06-0415	2-4-6"	23 Holes	0.0003"	0.0003"/1"	±0.0005"	\$185.00/SET
EG02-0416	2-3-4"	23 Holes	0.0003"	0.0003"/1"	±0.0003"	\$117.00/SET

Ultra Precision 1-2-3 Block Set, 23 Hole, 1 Pair Set, Premium Package

Features:

- Heat treated and hardened to HRC 58-62 on 6 sides.
- Each 23-hole block includes 5 tapped holes that are 3/8"-16 for clamping and 18 untapped holes.
- Cross drilling design enables minimum weight and maximum strength.
- Each set contains two matched blocks.
- In a fitted plastic case.



EG28-0420

Item	Parallelism	Squareness	Size Range	Price
EG28-0420	0.0002"	0.0001"/1"	±0.0002"	\$70.00/SET
EG28-0421	0.0002"	0.0003"/1"	±0.0002"	\$52.00/SET

Ultra-precision 1-2-3 Block Set with Screws

Features:

- With 23 Holes.
- Squareness: 0.0001"/1".
- Parallelism: ±0.0001".
- Height accuracy in pair: ±0.0001".
- Hardness: HRC 56-60.
- Finished from 6-16 micro inches.
- Nominal tapping: 0.0001" to 0.0003".
- 23 holes; 5 holes tapped to 3/8"-16 and others are untapped.
- Precision ground on all sides.
- Squareness on all sides.
- Surface finish.
- Oversize to allow nominal tapping.



Item	EG02-0408
Price	\$60 ⁰⁰ set

Each set includes:

- 5 pieces 3/8"-16 socket head cap screws.
- 1 hex key.
- In a fitted plastic case.

10pc Precision Angle Block Set

Features:

- Size 3" long x 1/4" thick.
- Accuracy ±0.0001" per inch, ±30 arc seconds.
- Furnished in 1° increments to 5°, and in 5° increments to 30°.
- For angle set-up in tooling, production and inspection.
- Hardened and precision ground.
- Lightly magnetized for better holding.
- In a fitted plastic case.

GREAT



Item	3602-0111
Price	\$72 ⁰⁰ set

17pc Precision Angle Block Set

Features:

- Made from hardened steel.
- Used for grinding and milling operations.
- Set includes the following angles: 1/4°, 1/2°, 1°, 2°, 3°, 4°, 5°, 10°, 15°, 20°, 25°, 30°, 35°, 40°, and 45°, plus 2 riser blocks.
- In a fitted plastic case.



Item	EJ99-2117
Price	\$152 ⁰⁰ set

Solid Angle Plates Set

Plates Set



Features:

- Hardened & ground steel.
- Precision ground angles for setup in tooling, production and inspection.
- Four 0.311" holes for easy mounting.
- Accuracy: ±10 minutes.
- In a fitted plastic case.

Item	Dimension	Price
3610-9010	(30°, 60°, 90°) and (45°, 45°, 90°)	\$40.00/SET

Adjustable Parallel Set



Item	3602-5001
Price	\$108⁰⁰_{set}



Features:

- Height range: 3/8" to 1/2", 1/2" to 11/16", 11/16" to 15/16", 15/16" to 1-5/16", 1-5/16" to 1-3/4", and 1-3/4" to 2-1/4".
- Lengths range from 1-3/4" to 5" closed.
- Quickly adjustable and locked with screws for precise micrometer measurement.
- For layout, inspection, shop work & set-up, etc.

Universal Angle Block Set



Item	3602-0224
Price	\$160⁰⁰_{set}

Features:

- Precision ground to ±10 seconds.
- Hardness HRC 45-50.
- All ground finished.
- No need for sine vises, sine plates, angle vises & angle charts or block gages.
- Vee block dimensions: 3" long, 1-3/16" wide, 1-3/16" high.
- Angle plate dimensions: 2-3/4" long, 1-3/16" wide, 5/64" high at the narrow end.

Each set includes:

- V-blocks: 10°, 15°, & 30°.
- Angle plates: 1°, 2°, 3°, 4°, & 5°.
- In a fitted wooden case.

9-pair Wavy Parallel Set



Item	EG10-1440
Price	\$70⁰⁰_{set}



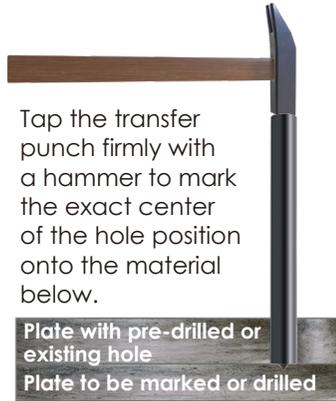
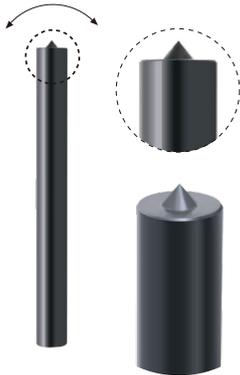
Features:

- 4-5/16" long pairs in the following heights: 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", & 1-1/2".
- Parallelism ±0.0002".
- All parallels made from high-quality spring steel.
- Each parallel hardened and precision ground.
- Can hold fragile, delicate or thin workpieces.
- For use on precision clamping for drilling, milling, boring, grinding and assembly operations, etc.
- In a fitted wooden case.

Features:

- HRC 61-63 approximately 1-1/2" from the point.
- Heat-treated & tempered.
- Length: 4-7/8".
- Supplied with stand.
- Black oxide finish.
- For accurate transferring of drilled or tapped holes.
- Sturdy steel case.

Transfer punches are ideal for accurately marking hole positions when aligning two parts with matching through holes.



Tap the transfer punch firmly with a hammer to mark the exact center of the hole position onto the material below.

Plate with pre-drilled or existing hole
Plate to be marked or drilled



0250-0028



0250-0033

Item	Description	Of Piece	Price
0250-0028	Size: 3/32"-1/2" by 64ths plus 17/32"	28pcs	\$39.00/SET
0250-0033	Size: 1/2" - 1" by 64ths	33pcs	\$139.00/SET
0250-0025	Size: 1.0mm - 13.0mm by 0.5mm	25pcs	\$39.00/SET

Premium Magnetic Parallel Set, 150mm x 2.5mm

Features:

- 150mm length x 2.5mm width 5pcs premium magnetic parallel set.
- Height: 25, 35, 40, 45, & 47mm.
- Height tolerance is +/- 0.005mm.
- Width tolerance is +/-0.01mm.
- Hardness is 55-60 HRC.
- Reduces the clamping time by up to 10%.
- Precision ground as pairs.
- Excellent in high precision work for mounting parallel components in machine vises or jigs.
- No extra tools are needed to set up the parallels, the vise, and the workpieces.
- Significantly reduces the clamping time.
- Greatly improve the efficiency.
- CANCNC premium packaging.



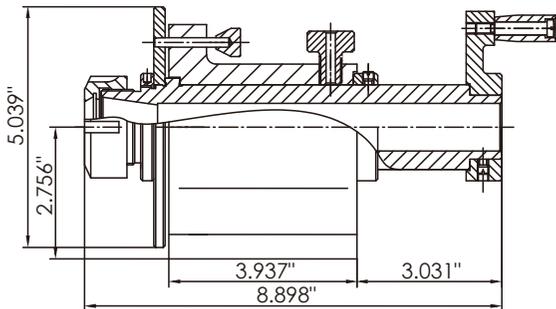
Item	2818-0115
Price	\$163 ⁰⁰ set

Features:

- Indexing and grinding fixture.
- Uses ER-32 collets (range 1/16"-13/16") for better gripping and accuracy.
- Extends the capabilities of drill presses, surface grinders, gear cutters and milling machines.
- Spindle hardened and ground with 0.0005" (T.I.R.) run-out.
- 10 vernier holes for 1° indexing.
- 2" spindle travel for flute grinding.
- 5" diameter index plate has a 36-hole circle and graduated by 0 to 35 for direct indexing in 10° steps and is marked in 5° increments.
- Spindle lock for tightening collet.
- Base footprint: 4.5x4" ground parallel to spindle.
- ER collets not included; can be purchased separately.

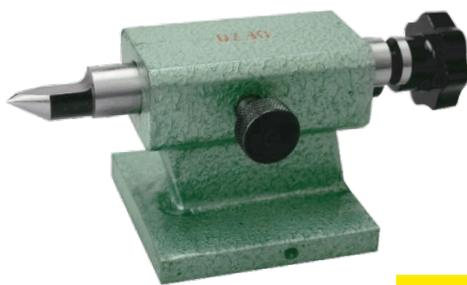


Item	0225-0206
Price	\$186⁰⁰pc



Matching Tailstock for the 5C Spin Index

ISO9001



Item	0240-0104
Price	\$119⁰⁰pc

5C Horizontal / Vertical Collet Holder

ISO9001

Features:

- Height of centre (horizontal): 2.52".
- Height (horizontal): 3.74".
- Height (vertical): 4.13".
- Size of base (horizontal): 5" x 3.96".
- Size of base (vertical): 5" x 3.74".
- Universally adaptable to drill presses, milling machines, surface grinders, etc.
- The collet does not move up or down.
- Retains positive relation to base.
- Adjustable without disturbing set-up.
- Cam lever opens and closes easily so collets can be changed quickly.
- Utilizes a cam lock and positive release.



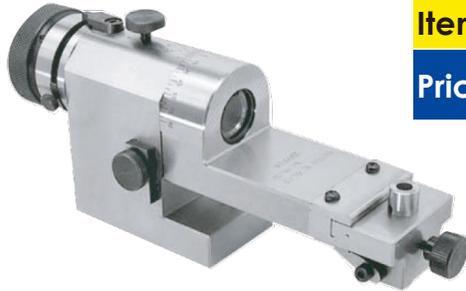
Item	0225-0202
Price	\$145⁰⁰pc

Visi-dress Radius Dresser

ISO9001

Features:

- Center height: 2.56"
- Max. size grinding wheel: 8" diameter
- Max. convex radius: 1/2"
- Max. concave radius: 1"
- Tangential travel: 0.89"
- Angle / linear dressing range: 95° ~ 0-95°



Item **HE30-0003**
Price **\$1189⁰⁰_{pc}**

Radius and Angle Dresser

ISO9001

Features:

- Maximum diameter of grinding wheel: 12"
- Convex radii: 0-1-5/8"
- Concave radii: 5/8" ~ 1-5/8"
- Tangent travel to either side of center: 2"
- Center line of tool: 3.4"
- Overall length: 15.236"
- Weight: 30lbs.



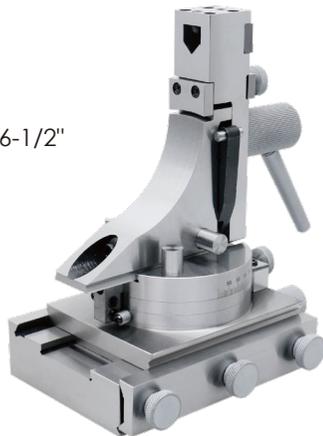
Item **HE30-0005**
Price **\$818⁰⁰_{pc}**

Profile Wheel Dresser

ISO9001

Features:

- Convex radii: 0 to 1.500"
- Concave radii: 0.03" to 1.500"
- Dressing capacity up to 8" wheel dia
- Height to center of diamond: 6-1/2"
- Overall height: 7"
- Diamond is not included



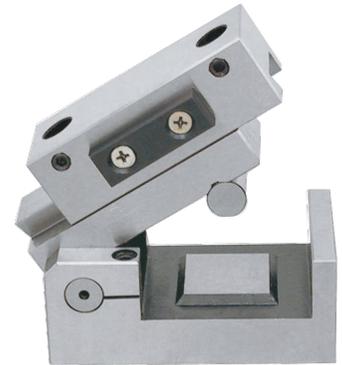
Item **EG11-0400**
Price **\$1168⁰⁰_{pc}**

Sine Dresser

ISO9001

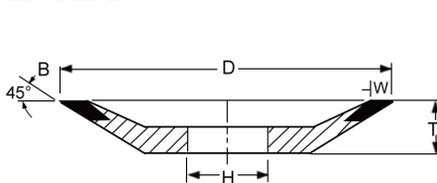
Features:

- Cross feed up to 50mm
- Center distance is 50mm within 0.01mm accuracy
- Dresses grinding wheel to any angle from 0 to 60 degree



Item **2310-7000**
Price **\$426⁰⁰_{pc}**

Diamond Dish Wheel Type D12V9

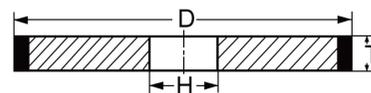


Features:

- 75% concentration
- 100 grit
- Resin bond
- Used for precision grinding of end mills, reamers, & broaches
- Use diamond on non-ferrous material

Item	Dia. (D)	Thickness (T)	Hole (H)	Depth (W)	Insert Length	Price
EC81-0866	6"	3/4"	1-1/4"	1/8"	1/4"	\$176.00/PC

Straight Style Diamond Wheel Type D1A1



EC81-0925

Features:

- 100% concentration, 150 grit
- Applications include slot grinding, cutting tool flute grinding, die sharpening and O.D. tool grinding
- Used for grinding tungsten carbide, ceramics, glass, etc.

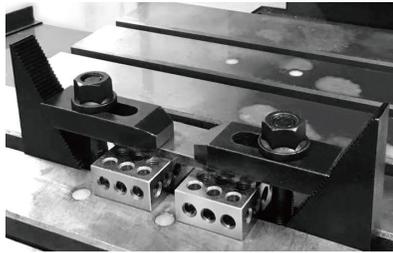
Item	Diamond Depth (D)	Wheel Thickness (T)	Hole Diameter (H)	Wheel Diameter	Price
EC81-0925	1/8"	1/4"	1-1/4"	6"	\$186.00/PC
EC81-0930	1/8"	1/4"	1-1/4"	7"	\$208.00/PC

Features:

- For clamping workpieces to machine table
- Material: S45C, black oxide finished
- Heat treatment: hardness of each part is HRC32±5
- Quality kit for a Bridgeport
- In a fitted plastic case

Set includes:

- 24 studs: 4 pieces of each length 3", 4", 5", 6", 7" & 8"
- 4 coupling nuts
- 6 flange nuts
- 6 T-slot nuts
- 6 serrated end clamps
- 12 step blocks



Item	Table Slot	Stud Size	Price
4230-2624	7/16"	3/8"-16	\$138.00/SET
4230-2625	1/2"	3/8"-16	\$138.00/SET
4230-2627	11/16"	1/2"-13	\$156.00/SET
4230-2628	3/4"	5/8"-11	\$234.00/SET

58pc Steel Clamping Kit

Features:

- Quality kit for a Bridgeport

Set includes:

- 24 studs: 4 pieces of each length 3", 4", 5", 6", 7" & 8"
- 4 coupling nuts
- 6 flange nuts
- 6 T-slot nuts
- 6 serrated end clamps
- 12 step blocks
- Wall Holder



Item	Table Slot	Stud Size	Block width	Price
4230-2626	5/8"	1/2"-13	1"	\$129.00/SET

1/2"-13 T-slot Nut

Features:

- Heat-treated steel with black oxide finish.
- An imperfect thread is left at the base of the T-nut to prevent the stud passing through the T-nut and damaging the table slot.



0532-4818



Item	T-Slots Nut	Table Slot T	Slot Height	Overall Height	Price
0532-4818	1/2"-13	5/8"	11/32"	5/8"	\$3.60/PC
0532-4819	1/2"-13	11/16"	7/16"	3/4"	\$3.90/PC

Features:

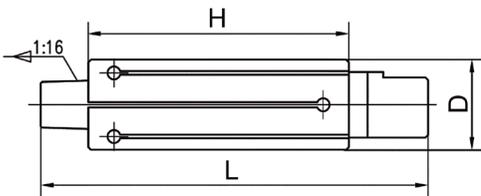
- Made of high grade tool steel.
- Precision ground and heat treated for maximum concentricity and holding power.
- Center holes are ground and lapped.
- The automatic expansion feature can be utilized on any bores (standard or non-standard) within the range of the mandrel.
- Sizes up to 1" capacity are furnished with 1 sleeve; Larger sizes are furnished with 2 sleeves (1 large and 1 small).
- Arbors are tapered, sleeves are flexible and the size is obtained by moving sleeve along the arbor.
- A range from 1/2" thru 2" by 1/1000" can be covered by a total of 8 mandrels.
- In a fitted wooden case.



Item	Size Range	No. of Mandrels	Price
6978-0918	1/2" ~ 2"	8	\$648.00/SET

8pcs/set: 1/2" thru 2"

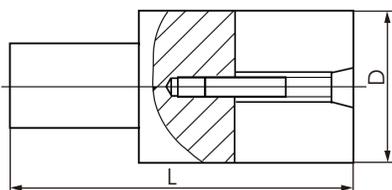
Size Range (D)	Length of Arbor (L)	Length of Sleeve (H)	Sleeves Furnished
1/2" ~ 9/16"	5"	2-1/2"	1
9/16" ~ 21/32"	6"	2-3/4"	1
21/32" ~ 3/4"	7"	2-3/4"	1
3/4" ~ 7/8"	7"	3-1/4"	1
7/8" ~ 1"	7"	3-1/4"	1
1" ~ 1-1/4"	9"	4"	2
1-1/4" ~ 1-1/2"	9"	4"	2
1-1/2" ~ 2"	11-1/2"	5"	2



Hand-E Expanding Arbors Set

Features:

- Chuck arbors in machine to be used.
- Tighten the expanding screw so that the arbor expands 0.005".
- Machine arbor to the length and size required.
- Loosen expanding screw.
- Position part on arbor and tighten expanding screw.
- Size: 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", and 1-1/4" arbors with 4 alloy wrenches in a handy wooden stand.



Item	D	L	Expanding Range	Size of Wrench	Price
6931-0900	1/4"	3"	0.005"	5/64"	\$118.00/SET
	3/8"	3"	0.005"	3/32"	
	1/2"	3"	0.005"	3/32"	
	5/8"	3"	0.005"	9/64"	
	3/4"	4"	0.005"	9/64"	
	7/8"	4"	0.005"	3/16"	
	1"	4"	0.005"	3/16"	
	1-1/4"	4"	0.005"	3/16"	



Brand: Gorilla Mill

Made in USA

Founded in 1974 by Philipp Laubenstein in his garage, the Carbide Grinding Company, Inc. (dba Gorilla Mill) manufactures high performance drills, end mills and cutting tools. Gorilla Mill's modern facility has been producing and sharpening cutting tools for the aerospace, automotive, medical and manufacturing industries for well over 40 years for use in the following applications:

- High speed machining
- Aluminum and nonferrous machining
- Machining cast iron
- Machining stainless steel
- Machining inconel
- Milling steel and etc.

GMP Edge Prep

Before & After

The tool edge preparation process adds strength to the tool cutting edge, lengthens usable tool life, minimizes the propensity of the edge to chip, improves part quality and consistency, and enhances work piece surface finish.

With GMP Edge Prep, we have taken edge preparation to the next level, making it a science. Now the technology and equipment exists to overcome nearly all the current processing problems and to produce a tool that will yield optimum performance in any given operation or application.



Gorilla 7 Flute Square WTF Coated End Mills, Inch, Super Bitchin' Performance - ferrous, **Made in USA**

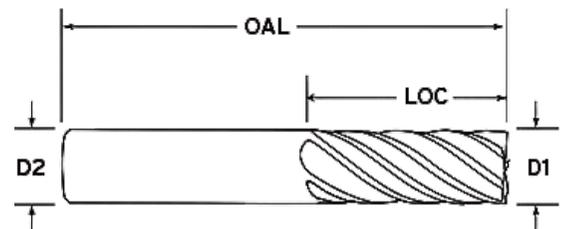
Gorilla Mill BABOON End Mill Series.

Made in USA.

7 Flute (Inch), Super Bitchin' Performance - ferrous.

- Variable flute and index design which reduces chatter and vibration.
- Recommended for aggressive machining applications in all materials.
- Produced with the highest Transverse Rupture Strength (TRS) nano-grain carbide substrate available.
- Available in special diameters, lengths and completely resharpenable.
- **Should be run at specific parameters. See "Speeds and Feeds" chart [HERE](#).**

Available in WTF Coating.



CanCNC Item#	Gorilla Mill Item#	D1 Cutting Dia.	D2 Shank Dia.	LOC	OAL	Coating
0003-2030	GMHT14F7WTF	1/4"	1/4"	3/4"	2-1/2"	WTF
0003-2105	GMHT516F7WTF	5/16"	5/16"	7/8"	2-1/2"	WTF
0003-2085	GMHT38F7WTF	3/8"	3/8"	7/8"	2-1/2"	WTF
0003-2137	GMHT716F7WTF	7/16"	7/16"	1"	2-1/2"	WTF
0003-2000	GMHT12F7WTF	1/2"	1/2"	1-1/4"	3"	WTF
0003-2117	GMHT58F7WTF	5/8"	5/8"	1-1/4"	3-1/2"	WTF
0003-2057	GMHT34F7WTF	3/4"	3/4"	1-1/2"	4"	WTF
0003-1932	GMHT10F7WTF	1"	1"	1-1/2"	4"	WTF
0003-1976	GMHT1250F7WTF	1-1/4"	1-1/4"	2"	4-1/2"	WTF



Gorilla 3 Flute Square End ZrN Coated End Mills, Inch, High Performance, Non-ferrous, **Made in USA**

Gorilla Mill Silverback End Mill Serials. A descendant of Gorilla Mills.

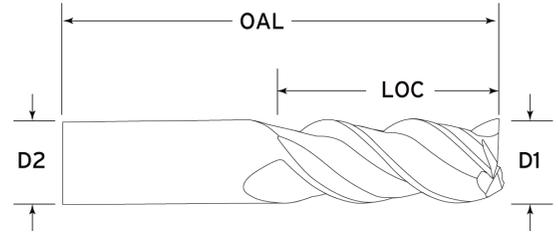
Aluminum Cutting Pro.

Made in USA.

- Variable flute. Engineered to repel aluminum. For roughing and finishing of non-ferrous materials, aluminum, copper, brass, plastic, etc. High velocity, high material removal rate. Center cutting.
- Available in special diameters, lengths and completely resharpenable.
- **Should be run at specific parameters. See "Speeds and Feeds" chart [HERE](#).**

Gorilla coatings:

- Are just a few thousandths of a millimeter thick but harder than steel; these low-friction coatings are extremely wear-resistant and chemically inert. The optimum coating is determined on the basis of both conditions of use and economic considerations.



CanCNC Item#	Gorilla Mill Item#	D1 Cutting Dia.	D2 Shank Dia.	LOC	OAL	Tool Length
0002-1014	GMA18FS3ZrN	1/8"	1/8"	1/4"	1-1/2"	STUB
0002-1016	GMA18FSH3ZrN	1/8"	1/8"	3/8"	2"	STUB
0002-0425	GMA18F3ZrN	1/8"	1/8"	1/2"	1-1/2"	STANDARD
0002-1018	GMA316FS3ZrN	3/16"	3/16"	3/8"	2"	STUB
0002-0435	GMA316F3ZrN	3/16"	3/16"	5/8"	2"	STANDARD
0002-1020	GMA14FS3ZrN	1/4"	1/4"	3/8"	2"	STUB
0002-1022	GMA14FSH3ZrN	1/4"	1/4"	1/2"	2"	STUB
0002-0409	GMA14F3ZrN	1/4"	1/4"	3/4"	2-1/2"	STANDARD
0002-0410	GMA14FL3ZrN	1/4"	1/4"	1-1/2"	4"	LONG
0002-1024	GMA516FS3ZrN	5/16"	5/16"	7/16"	2"	STUB
0002-0475	GMA516F3ZrN	5/16"	5/16"	7/8"	2-1/2"	STANDARD
0002-0476	GMA516FL3ZrN	5/16"	5/16"	1-1/2"	4"	STANDARD
0002-1026	GMA38FS3ZrN	3/8"	3/8"	1/2"	2"	STUB
0002-0462	GMA38F3ZrN	3/8"	3/8"	7/8"	2-1/2"	STANDARD
0002-0463	GMA38FHL3ZrN	3/8"	3/8"	1"	2-1/2"	STANDARD
0002-0464	GMA38FXL3ZrN	3/8"	3/8"	2"	4"	STANDARD
0002-1028	GMA716FS3ZrN	7/16"	7/16"	1/2"	2-1/2"	STUB
0002-0504	GMA716F3ZrN	7/16"	7/16"	1"	2-1/2"	STANDARD
0002-1030	GMA12FS3ZrN	1/2"	1/2"	5/8"	2-1/2"	STUB
0002-0385	GMA12FH3ZrN	1/2"	1/2"	1"	3"	STANDARD
0002-0384	GMA12F3ZrN	1/2"	1/2"	1-1/4"	3"	STANDARD
0002-0386	GMA12FL3ZrN	1/2"	1/2"	1-1/2"	4"	LONG
0002-0387	GMA12FXL3ZrN	1/2"	1/2"	2"	4"	EXTRA LONG
0002-1032	GMA58FS3ZrN	5/8"	5/8"	3/4"	3"	STUB
0002-0484	GMA58F3ZrN	5/8"	5/8"	1-1/4"	3-1/2"	STANDARD
0002-0485	GMA58FHL3ZrN	5/8"	5/8"	1-5/8"	4"	STANDARD
0002-0486	GMA58FL3ZrN	5/8"	5/8"	2"	4"	LONG
0002-1034	GMA34FS3ZrN	3/4"	3/4"	1"	3"	STUB
0002-0437	GMA34F3ZrN	3/4"	3/4"	1-1/2"	4"	STANDARD
0002-0438	GMA34FHL3ZrN	3/4"	3/4"	1-5/8"	4"	STANDARD
0002-0439	GMA34FL3ZrN	3/4"	3/4"	2"	4"	LONG
0002-0440	GMA34FLH3ZrN	3/4"	3/4"	2-1/4"	5"	LONG
0002-1036	GMA10FS3ZrN	1"	1"	1-1/4"	4"	STUB
0002-0356	GMA10F3ZrN	1"	1"	1-1/2"	4"	STANDARD
0002-0357	GMA10FL3ZrN	1"	1"	2"	4"	LONG
0002-0358	GMA10FXL3ZrN	1"	1"	2-1/2"	5"	EXTRA LONG



Gorilla 4 Flute Radius End TiALN Coated End Mills, Inch, Standard Performance, **Made in USA**

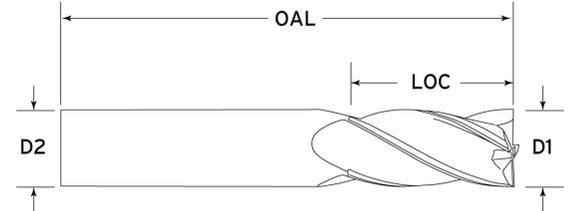
Gorilla Mill Primate Radius End End Mill Serials.
Standard Carbide End Mills.

Made in USA.

- Extremely versatile in various materials, center cutting, solid sub-micron carbide.
- Available in special diameters, lengths and completely resharpenable.
- **Should be run at specific parameters. See "Speeds and Feeds" chart [HERE](#).**

Gorilla coatings:

- Are just a few thousandths of a millimeter thick but harder than steel; these low-friction coatings are extremely wear-resistant and chemically inert. The optimum coating is determined on the basis of both conditions of use and economic considerations.



CanCNC Item#	Gorilla Mill Item#	D1 Cutting Dia.	D2 Shank Dia.	LOC	OAL	Corner Radius	Coating
0007-0334	CEM116R4010TiALN	1/16"	1/8"	3/16"	1-1/2"	0.010"	TiALN
0007-0337	CEM116R4015TiALN	1/16"	1/8"	3/16"	1-1/2"	0.015"	TiALN
0007-0979	CEM332R4010TiALN	3/32"	1/8"	3/8"	1-1/2"	0.010"	TiALN
0007-0982	CEM332R4015TiALN	3/32"	1/8"	3/8"	1-1/2"	0.015"	TiALN
0007-0985	CEM332R4020TiALN	3/32"	1/8"	3/8"	1-1/2"	0.020"	TiALN
0007-0742	CEM18R4010TiALN	1/8"	1/8"	1/2"	1-1/2"	0.010"	TiALN
0007-0745	CEM18R4015TiALN	1/8"	1/8"	1/2"	1-1/2"	0.015"	TiALN
0007-0748	CEM18R4020TiALN	1/8"	1/8"	1/2"	1-1/2"	0.020"	TiALN
0007-0751	CEM18R4030TiALN	1/8"	1/8"	1/2"	1-1/2"	0.030"	TiALN
0007-0943	CEM316R4010TiALN	3/16"	3/16"	5/8"	2"	0.010"	TiALN
0007-0946	CEM316R4015TiALN	3/16"	3/16"	5/8"	2"	0.015"	TiALN
0007-0949	CEM316R4020TiALN	3/16"	3/16"	5/8"	2"	0.020"	TiALN
0007-0952	CEM316R4030TiALN	3/16"	3/16"	5/8"	2"	0.030"	TiALN
0007-0595	CEM14R4015TiALN	1/4"	1/4"	3/4"	2-1/2"	0.015"	TiALN
0007-0598	CEM14R4020TiALN	1/4"	1/4"	3/4"	2-1/2"	0.020"	TiALN
0007-0601	CEM14R4030TiALN	1/4"	1/4"	3/4"	2-1/2"	0.030"	TiALN
0007-0604	CEM14R4045TiALN	1/4"	1/4"	3/4"	2-1/2"	0.045"	TiALN
0007-0607	CEM14R4060TiALN	1/4"	1/4"	3/4"	2-1/2"	0.060"	TiALN
0007-1258	CEM516R4015TiALN	5/16"	5/16"	7/8"	2-1/2"	0.015"	TiALN
0007-1261	CEM516R4020TiALN	5/16"	5/16"	7/8"	2-1/2"	0.020"	TiALN
0007-1264	CEM516R4030TiALN	5/16"	5/16"	7/8"	2-1/2"	0.030"	TiALN
0007-1267	CEM516R4045TiALN	5/16"	5/16"	7/8"	2-1/2"	0.045"	TiALN
0007-1270	CEM516R4060TiALN	5/16"	5/16"	7/8"	2-1/2"	0.060"	TiALN
0007-1189	CEM38R4015TiALN	3/8"	3/8"	7/8"	2-1/2"	0.015"	TiALN
0007-1192	CEM38R4020TiALN	3/8"	3/8"	7/8"	2-1/2"	0.020"	TiALN
0007-1195	CEM38R4030TiALN	3/8"	3/8"	7/8"	2-1/2"	0.030"	TiALN
0007-1198	CEM38R4045TiALN	3/8"	3/8"	7/8"	2-1/2"	0.045"	TiALN
0007-1201	CEM38R4060TiALN	3/8"	3/8"	7/8"	2-1/2"	0.060"	TiALN
0007-0484	CEM12R4015TiALN	1/2"	1/2"	1"	3"	0.015"	TiALN
0007-0487	CEM12R4020TiALN	1/2"	1/2"	1"	3"	0.020"	TiALN
0007-0490	CEM12R4030TiALN	1/2"	1/2"	1"	3"	0.030"	TiALN
0007-0493	CEM12R4045TiALN	1/2"	1/2"	1"	3"	0.045"	TiALN
0007-0496	CEM12R4060TiALN	1/2"	1/2"	1"	3"	0.060"	TiALN
0007-0499	CEM12R4090TiALN	1/2"	1/2"	1"	3"	0.090"	TiALN
0007-0502	CEM12R4125TiALN	1/2"	1/2"	1"	3"	0.125"	TiALN
0007-1507	CEM12RH4015TiALN	1/2"	1/2"	1-1/4"	3"	0.015"	TiALN
0007-1510	CEM12RH4020TiALN	1/2"	1/2"	1-1/4"	3"	0.020"	TiALN
0007-1513	CEM12RH4030TiALN	1/2"	1/2"	1-1/4"	3"	0.030"	TiALN
0007-1516	CEM12RH4045TiALN	1/2"	1/2"	1-1/4"	3"	0.045"	TiALN
0007-1519	CEM12RH4060TiALN	1/2"	1/2"	1-1/4"	3"	0.060"	TiALN
0007-1522	CEM12RH4090TiALN	1/2"	1/2"	1-1/4"	3"	0.090"	TiALN
0007-1525	CEM12RH4125TiALN	1/2"	1/2"	1-1/4"	3"	0.125"	TiALN

CanCNC Item#	Gorilla Mill Item#	D1 Cutting Dia.	D2 Shank Dia.	LOC	OAL	Corner Radius	Coating
0007-1369	CEM58R4015TiALN	5/8"	5/8"	1-1/4"	3-1/2"	0.015"	TiALN
0007-1372	CEM58R4020TiALN	5/8"	5/8"	1-1/4"	3-1/2"	0.020"	TiALN
0007-1375	CEM58R4030TiALN	5/8"	5/8"	1-1/4"	3-1/2"	0.030"	TiALN
0007-1378	CEM58R4045TiALN	5/8"	5/8"	1-1/4"	3-1/2"	0.045"	TiALN
0007-1381	CEM58R4060TiALN	5/8"	5/8"	1-1/4"	3-1/2"	0.060"	TiALN
0007-1384	CEM58R4090TiALN	5/8"	5/8"	1-1/4"	3-1/2"	0.090"	TiALN
0007-1066	CEM34R4015TiALN	3/4"	3/4"	1-1/2"	4"	0.015"	TiALN
0007-1069	CEM34R4020TiALN	3/4"	3/4"	1-1/2"	4"	0.020"	TiALN
0007-1072	CEM34R4030TiALN	3/4"	3/4"	1-1/2"	4"	0.030"	TiALN
0007-1075	CEM34R4045TiALN	3/4"	3/4"	1-1/2"	4"	0.045"	TiALN
0007-1078	CEM34R4060TiALN	3/4"	3/4"	1-1/2"	4"	0.060"	TiALN
0007-1081	CEM34R4090TiALN	3/4"	3/4"	1-1/2"	4"	0.090"	TiALN
0007-1084	CEM34R4125TiALN	3/4"	3/4"	1-1/2"	4"	0.125"	TiALN
0007-0280	CEM10R4015TiALN	1"	1"	1-1/2"	4"	0.015"	TiALN
0007-0283	CEM10R4020TiALN	1"	1"	1-1/2"	4"	0.020"	TiALN
0007-0286	CEM10R4030TiALN	1"	1"	1-1/2"	4"	0.030"	TiALN
0007-0289	CEM10R4045TiALN	1"	1"	1-1/2"	4"	0.045"	TiALN
0007-0292	CEM10R4060TiALN	1"	1"	1-1/2"	4"	0.060"	TiALN
0007-0295	CEM10R4090TiALN	1"	1"	1-1/2"	4"	0.090"	TiALN
0007-0298	CEM10R4125TiALN	1"	1"	1-1/2"	4"	0.125"	TiALN



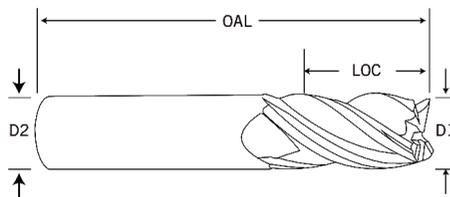
Gorilla 4 Flute Square End **GMS²** Coated & WTF Coated End Mills, Inch, Super Bitchin' Performance, **Made in USA**

Gorilla Mill YETI End Mill Serials.

Made in USA.

4 Flute (Inch), Super Bitchin' Performance - ferrous.

- Based off the original patented 4-flute Gorilla Mill, the Gorilla Mill Yeti is built tough for heavy roughing in all materials especially high temperature alloys.
- Its geometric enhancements allow for work on difficult-to-machine materials including: Inconel, Waspaloy, Hastelloy, Rene, Stellite, 17-4 SS, 15-5 SS, 13-8 SS, and Titanium.
- The Gorilla Mill Yeti is a monster in full slotting applications with very large material removal rates in all materials.
- **Should be run at specific parameters. See "Speeds and Feeds" chart [HERE](#).**



WTF Coating



GMS² Coating

CanCNC Item#	Gorilla Mill Item#	D1 Cutting Dia.	D2 Shank Dia.	LOC	OAL	Coating
0000-0174	GMRF18F4	1/8"	1/8"	1/2"	1-1/2"	GMS ²
0000-0598	GMRF18F4WTF	1/8"	1/8"	1/2"	1-1/2"	WTF
0000-0196	GMRF316F4	3/16"	3/16"	5/8"	2"	GMS ²
0000-0620	GMRF316F4WTF	3/16"	3/16"	5/8"	2"	WTF
0000-0144	GMRF14F4	1/4"	1/4"	3/4"	2-1/2"	GMS ²
0000-0568	GMRF14F4WTF	1/4"	1/4"	3/4"	2-1/2"	WTF
0000-0264	GMRF516F4	5/16"	5/16"	7/8"	2-1/2"	GMS ²
0000-0716	GMRF516F4WTF	5/16"	5/16"	7/8"	2-1/2"	WTF
0000-0244	GMRF38F4	3/8"	3/8"	7/8"	2-1/2"	GMS ²
0000-0696	GMRF38F4WTF	3/8"	3/8"	7/8"	2-1/2"	WTF
0000-0301	GMRF716F4	7/16"	7/16"	1"	2-1/2"	GMS ²
0000-0758	GMRF716F4WTF	7/16"	7/16"	1"	2-1/2"	WTF
0000-0096	GMRF12F4	1/2"	1/2"	1-1/4"	3"	GMS ²
0000-0496	GMRF12F4WTF	1/2"	1/2"	1-1/4"	3"	WTF
0000-0276	GMRF58F4	5/8"	5/8"	1-1/4"	3-1/2"	GMS ²
0000-0728	GMRF58F4WTF	5/8"	5/8"	1-1/4"	3-1/2"	WTF
0000-0202	GMRF34F4	3/4"	3/4"	1-1/2"	4"	GMS ²
0000-0626	GMRF34F4WTF	3/4"	3/4"	1-1/2"	4"	WTF
0000-0036	GMRF10F4	1"	1"	1-1/2"	4"	GMS ²
0000-0422	GMRF10F4WTF	1"	1"	1-1/2"	4"	WTF

Available in **GMS²** and **WTF Coating**:

- Gorilla coatings are just a few thousandths of a millimeter thick but harder than steel; these low-friction coatings are extremely wear-resistant and chemically inert. The optimum coating is determined on the basis of both conditions of use and economic considerations.

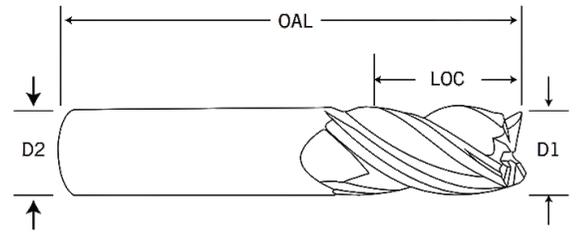


Gorilla 4 Flute Square End GMX-35 Coated End Mills, Inch, High Performance, **Made in USA**

Gorilla 4 Flute Square End GMX-35 Coated End Mills, Inch, High Performance.

Made in USA.

- Patented variable flute and index design which reduces chatter and vibration.
- Recommended for aggressive machining applications in all materials including, stainless, inconel, titanium, tool steels and hardened materials. Should be run at specific parameters.
- Produced with the highest Transverse Rupture Strength (TRS) nano-grain carbide substrate available.
- **Should be run at specific parameters. See "Speeds and Feeds" chart [HERE](#).**



Gorilla coatings:

- Are just a few thousandths of a millimeter thick but harder than steel; these low-friction coatings are extremely wear-resistant and chemically inert. The optimum coating is determined on the basis of both conditions of use and economic considerations.

CanCNC Item#	Gorilla Mill Item#	D1 Cutting Dia.	D2 Shank Dia.	LOC	OAL	Coating
0001-0305	GM18F4	1/8"	1/8"	1/2"	1-1/2"	GMX-35
0001-0535	GM532F4	5/32"	3/16"	1/2"	2"	GMX-35
0001-0344	GM316F4	3/16"	3/16"	5/8"	2"	GMX-35
0001-0248	GM14F4	1/4"	1/4"	3/4"	2-1/2"	GMX-35
0001-0502	GM516F4	5/16"	5/16"	7/8"	2-1/2"	GMX-35
0001-0456	GM38F4	3/8"	3/8"	7/8"	2-1/2"	GMX-35
0001-0592	GM716F4	7/16"	7/16"	1"	2-1/2"	GMX-35
0001-0157	GM12F4	1/2"	1/2"	1-1/4"	3"	GMX-35
0001-0540	GM58F4	5/8"	5/8"	1-1/4"	3-1/2"	GMX-35
0001-0364	GM34F4	3/4"	3/4"	1-1/2"	4"	GMX-35
0001-0044	GM10F4	1"	1"	1-1/2"	4"	GMX-35



Gorilla 4 Flute Square End TiALN Coated End Mills, Inch, Standard Performance, **Made in USA**

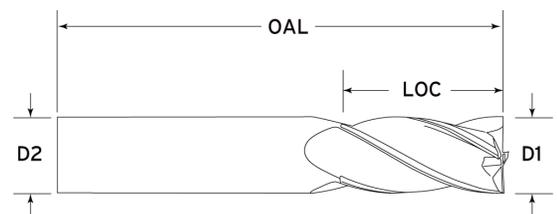
Gorilla Mill Primate Square End TiALN Coated End Mill Serials. Standard Carbide End Mills.

Made in USA.

- Extremely versatile in various materials, center cutting, solid sub-micron carbide.
- Available in special diameters, lengths and completely resharpenable.
- **Should be run at specific parameters. See "Speeds and Feeds" chart [HERE](#).**

Gorilla coatings:

- Are just a few thousandths of a millimeter thick but harder than steel; these low-friction coatings are extremely wear-resistant and chemically inert. The optimum coating is determined on the basis of both conditions of use and economic considerations.



CanCNC Item#	Gorilla Mill Item#	D1 Cutting Dia.	D2 Shank Dia.	LOC	OAL	Toolth Length	Coating
0007-0676	CEM164F4TiALN	1/64"	1/8"	1/32"	1-1/2"	STANDARD	TiALN
0007-0514	CEM132F4TiALN	1/32"	1/8"	5/64"	1-1/2"	STANDARD	TiALN
0007-1108	CEM364F4TiALN	3/64"	1/8"	7/64"	1-1/2"	STANDARD	TiALN
0007-0325	CEM116F4TiALN	1/16"	1/8"	3/16"	1-1/2"	STANDARD	TiALN
0007-1297	CEM564F4TiALN	5/64"	1/8"	3/16"	1-1/2"	STANDARD	TiALN
0007-0967	CEM332F4TiALN	3/32"	1/8"	3/8"	1-1/2"	STANDARD	TiALN
0007-1426	CEM764F4TiALN	7/64"	1/8"	3/8"	1-1/2"	STANDARD	TiALN
0007-0715	CEM18F4TiALN	1/8"	1/8"	1/2"	1-1/2"	STANDARD	TiALN
0007-0721	CEM18FL4TiALN	1/8"	1/8"	3/4"	2-1/2"	LONG	TiALN
0007-0727	CEM18FXL4TiALN	1/8"	1/8"	1"	3"	EXTRA LONG	TiALN
0007-1468	CEM964F4TiALN	9/64"	3/16"	1/2"	2"	STANDARD	TiALN
0007-1285	CEM532F4TiALN	5/32"	3/16"	1/2"	2"	STANDARD	TiALN

CanCNC Item#	Gorilla Mill Item#	D1 Cutting Dia.	D2 Shank Dia.	LOC	OAL	Tooth Length	Coating
0007-0310	CEM1164F4TiALN	11/64"	3/16"	5/8"	2"	STANDARD	TiALN
0007-0916	CEM316F4TiALN	3/16"	3/16"	5/8"	2"	STANDARD	TiALN
0007-0922	CEM316FL4TiALN	3/16"	3/16"	1-1/8"	3"	LONG	TiALN
0007-0928	CEM316FXL4TiALN	3/16"	3/16"	1-1/8"	4"	STANDARD	TiALN
0007-0526	CEM1364F4TiALN	13/64"	1/4"	5/8"	2-1/2"	STANDARD	TiALN
0007-1414	CEM732F4TiALN	7/32"	1/4"	5/8"	2-1/2"	STANDARD	TiALN
0007-0619	CEM1564F4TiALN	15/64"	1/4"	3/4"	2-1/2"	STANDARD	TiALN
0007-0559	CEM14F4TiALN	1/4"	1/4"	3/4"	2-1/2"	STANDARD	TiALN
0007-0565	CEM14FL4TiALN	1/4"	1/4"	1-1/8"	3"	LONG	TiALN
0007-0571	CEM14FXL4TiALN	1/4"	1/4"	1-1/2"	4"	EXTRA LONG	TiALN
0007-0577	CEM14FXXL4TiALN	1/4"	1/4"	1-1/2"	6"	EXTRA LONG	TiALN
0007-0688	CEM1764F4TiALN	17/64"	5/16"	3/4"	2-1/2"	STANDARD	TiALN
0007-1456	CEM932F4TiALN	9/32"	5/16"	3/4"	2-1/2"	STANDARD	TiALN
0007-0763	CEM1964F4TiALN	19/64"	5/16"	7/8"	2-1/2"	STANDARD	TiALN
0007-1228	CEM516F4TiALN	5/16"	5/16"	7/8"	2-1/2"	STANDARD	TiALN
0007-1234	CEM516FL4TiALN	5/16"	5/16"	1-1/8"	3"	STANDARD	TiALN
0007-1240	CEM516FXL4TiALN	5/16"	5/16"	1-5/8"	4"	STANDARD	TiALN
0007-0808	CEM2164F4TiALN	21/64"	3/8"	7/8"	2-1/2"	STANDARD	TiALN
0007-0820	CEM2364F4TiALN	23/64"	3/8"	7/8"	2-1/2"	STANDARD	TiALN
0007-1147	CEM38F4TiALN	3/8"	3/8"	7/8"	2-1/2"	STANDARD	TiALN
0007-1153	CEM38FL4TiALN	3/8"	3/8"	1-1/8"	3"	STANDARD	TiALN
0007-1171	CEM38FXL4TiALN	3/8"	3/8"	1-1/2"	6"	STANDARD	TiALN
0007-1165	CEM38FXL4TiALN	3/8"	3/8"	2"	4"	STANDARD	TiALN
0007-1159	CEM38FSL4TiALN	3/8"	3/8"	3"	6"	STANDARD	TiALN
0007-0853	CEM2564F4TiALN	25/64"	7/16"	1"	2-1/2"	STANDARD	TiALN
0007-0865	CEM2764F4TiALN	27/64"	7/16"	1"	2-1/2"	STANDARD	TiALN
0007-1399	CEM716F4TiALN	7/16"	7/16"	1"	2-1/2"	STANDARD	TiALN
0007-0877	CEM2964F4TiALN	29/64"	1/2"	1"	3"	STANDARD	TiALN
0007-0889	CEM3164F4TiALN	31/64"	1/2"	1"	3"	STANDARD	TiALN
0007-0436	CEM12F4TiALN	1/2"	1/2"	1"	3"	STANDARD	TiALN
0007-1483	CEM12FH4TiALN	1/2"	1/2"	1-1/4"	3"	LONG	TiALN
0007-0442	CEM12FL4TiALN	1/2"	1/2"	1-1/2"	4"	LONG	TiALN
0007-0460	CEM12FXXL4TiALN	1/2"	1/2"	1-1/2"	6"	EXTRA LONG	TiALN
0007-0454	CEM12FXL4TiALN	1/2"	1/2"	2"	4"	EXTRA LONG	TiALN
0007-0448	CEM12FSL4TiALN	1/2"	1/2"	3"	6"	SUPER LONG	TiALN
0007-0997	CEM3364F4TiALN	33/64"	9/16"	1-1/8"	3-1/2"	STANDARD	TiALN
0007-1096	CEM3564F4TiALN	35/64"	9/16"	1-1/8"	3-1/2"	STANDARD	TiALN
0007-1441	CEM916F4TiALN	9/16"	9/16"	1-1/4"	3-1/2"	STANDARD	TiALN
0007-1330	CEM58F4TiALN	5/8"	5/8"	1-1/4"	3-1/2"	STANDARD	TiALN
0007-1342	CEM58FXL4TiALN	5/8"	5/8"	2"	6"	STANDARD	TiALN
0007-1336	CEM58FL4TiALN	5/8"	5/8"	2-1/4"	5"	STANDARD	TiALN
0007-1348	CEM58FXXL4TiALN	5/8"	5/8"	3"	6"	STANDARD	TiALN
0007-1024	CEM34F4TiALN	3/4"	3/4"	1-1/2"	4"	STANDARD	TiALN
0007-1036	CEM34FXL4TiALN	3/4"	3/4"	2"	6"	STANDARD	TiALN
0007-1042	CEM34FXXL4TiALN	3/4"	3/4"	3"	6"	STANDARD	TiALN
0007-1030	CEM34FSL4TiALN	3/4"	3/4"	4"	7"	STANDARD	TiALN
0007-0238	CEM10F4TiALN	1"	1"	1-1/2"	4"	STANDARD	TiALN
0007-0250	CEM10FXL4TiALN	1"	1"	2"	6"	EXTRA LONG	TiALN
0007-0256	CEM10FXXL4TiALN	1"	1"	3"	6"	EXTRA LONG	TiALN
0007-0244	CEM10FSL4TiALN	1"	1"	4"	7"	SUPER LONG	TiALN



Gorilla 6 Flute Ballnose GMS² Coated & WTF Coated End Mills, 1/2 Inch, Super Bitchin' Performance - ferrous, **Made in USA**

Gorilla Mill KONG Ballnose End Mill Serials.

Made in USA.

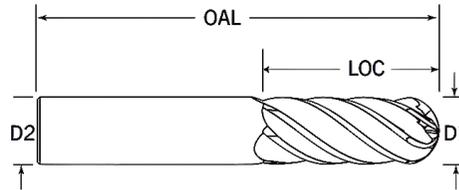
6 Flute (1/2 Inch), Super Bitchin' Performance - ferrous.



WTF Coating



GMS² Coating



- Variable flute and index design reducing chatter and vibration.
- Recommended for testosterone oozing aggressive profiling or 5 axis machining applications in tough materials.
- Produced with the highest Transverse Rupture Strength (TRS) nano-grain carbide substrate available.
- Available in special diameters, lengths and completely resharpenable.
- **Should be run at specific parameters. See "Speeds and Feeds" chart [HERE](#).**

Available in GMS² and WTF Coating:

- Gorilla coatings are just a few thousandths of a millimeter thick but harder than steel; these low-friction coatings are extremely wear-resistant and chemically inert. The optimum coating is determined on the basis of both conditions of use and economic considerations.

CanCNC Item#	Gorilla Mill Item#	D1 Cutting Dia.	D2 Shank Dia.	LOC	OAL	Coating
0003-2380	GMHT14BS6	1/4"	1/4"	1/2"	2"	GMS ²
0003-2381	GMHT14BS6WTF	1/4"	1/4"	1/2"	2"	WTF
0003-2376	GMHT14B6	1/4"	1/4"	3/4"	2-1/2"	GMS ²
0003-2377	GMHT14B6WTF	1/4"	1/4"	3/4"	2-1/2"	WTF
0003-2378	GMHT14BL6	1/4"	1/4"	1-1/4"	3"	GMS ²
0003-2379	GMHT14BL6WTF	1/4"	1/4"	1-1/4"	3"	WTF
0003-2404	GMHT516BS6	5/16"	5/16"	1/2"	2"	GMS ²
0003-2405	GMHT516BS6WTF	5/16"	5/16"	1/2"	2"	WTF
0003-2402	GMHT516BH6	5/16"	5/16"	1"	2-1/2"	GMS ²
0003-2403	GMHT516BH6WTF	5/16"	5/16"	1"	2-1/2"	WTF
0003-2400	GMHT38BS6	3/8"	3/8"	5/8"	2"	GMS ²
0003-2401	GMHT38BS6WTF	3/8"	3/8"	5/8"	2"	WTF
0003-2394	GMHT38BH6	3/8"	3/8"	1"	2-1/2"	GMS ²
0003-2395	GMHT38BH6WTF	3/8"	3/8"	1"	2-1/2"	WTF
0003-2396	GMHT38BL6	3/8"	3/8"	1-1/4"	3"	GMS ²
0003-2397	GMHT38BL6WTF	3/8"	3/8"	1-1/4"	3"	WTF
0003-2398	GMHT38BLH6	3/8"	3/8"	1-1/2"	3-1/2"	GMS ²
0003-2399	GMHT38BLH6WTF	3/8"	3/8"	1-1/2"	3-1/2"	WTF
0003-2372	GMHT12BS6	1/2"	1/2"	5/8"	2-1/2"	GMS ²
0003-2373	GMHT12BS6WTF	1/2"	1/2"	5/8"	2-1/2"	WTF
0003-2366	GMHT12B6	1/2"	1/2"	1-1/4"	3"	GMS ²
0003-2367	GMHT12B6WTF	1/2"	1/2"	1-1/4"	3"	WTF
0003-2368	GMHT12BH6	1/2"	1/2"	1"	3"	GMS ²
0003-2369	GMHT12BH6WTF	1/2"	1/2"	1"	3"	WTF
0003-2370	GMHT12BLH6	1/2"	1/2"	1-5/8"	4"	GMS ²
0003-2371	GMHT12BLH6WTF	1/2"	1/2"	1-5/8"	4"	WTF
0003-2374	GMHT12BXL6	1/2"	1/2"	2"	5"	GMS ²
0003-2375	GMHT12BXL6WTF	1/2"	1/2"	2"	5"	WTF
0003-2412	GMHT58BS6	5/8"	5/8"	3/4"	3-1/2"	GMS ²
0003-2413	GMHT58BS6WTF	5/8"	5/8"	3/4"	3-1/2"	WTF
0003-2406	GMHT58B6	5/8"	5/8"	1-1/4"	3-1/2"	GMS ²
0003-2407	GMHT58B6WTF	5/8"	5/8"	1-1/4"	3-1/2"	WTF
0003-2408	GMHT58BHL6	5/8"	5/8"	1-5/8"	4"	GMS ²
0003-2409	GMHT58BHL6WTF	5/8"	5/8"	1-5/8"	4"	WTF
0003-2410	GMHT58BL6	5/8"	5/8"	2"	5"	GMS ²
0003-2411	GMHT58BL6WTF	5/8"	5/8"	2"	5"	WTF
0003-2392	GMHT34BS6	3/4"	3/4"	1"	4"	GMS ²
0003-2393	GMHT34BS6WTF	3/4"	3/4"	1"	4"	WTF
0003-2386	GMHT34B6	3/4"	3/4"	1-1/2"	4"	GMS ²
0003-2387	GMHT34B6WTF	3/4"	3/4"	1-1/2"	4"	WTF
0003-2388	GMHT34BHL6	3/4"	3/4"	1-5/8"	5"	GMS ²
0003-2389	GMHT34BHL6WTF	3/4"	3/4"	1-5/8"	5"	WTF
0003-2390	GMHT34BLH6	3/4"	3/4"	2-1/4"	5"	GMS ²
0003-2391	GMHT34BLH6WTF	3/4"	3/4"	2-1/4"	5"	WTF



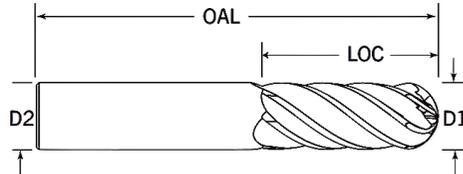
Gorilla 6 Flute Ballnose **GMS²** Coated & WTF Coated End Mills, Metric, Super Bitchin' Performance - ferrous, **Made in USA**

Gorilla Mill KONG Ballnose End Mill Serials.

Made in USA.

6 Flute (Metric), Super Bitchin' Performance - ferrous.

- Variable flute and index design reducing chatter and vibration.
- Recommended for aggressive profiling or 5 axis machining applications in tough materials.
- Produced with the highest Transverse Rupture Strength (TRS) nano-grain carbide substrate available.
- Available in special diameters, lengths and completely resharpenable.
- **Should be run at specific parameters. See "Speeds and Feeds" chart [HERE](#).**



WTF Coating



GMS² Coating

CanCNC Item#	Gorilla Mill Item#	D1 Cutting Dia.	D2 Shank Dia.	LOC	OAL	Coating
0003-2354	GMHT0600MMBS6	6mm	6mm	12mm	50mm	GMS ²
0003-2355	GMHT0600MMBS6WTF	6mm	6mm	12mm	50mm	WTF
0003-2352	GMHT0600MMB6	6mm	6mm	19mm	65mm	GMS ²
0003-2353	GMHT0600MMB6WTF	6mm	6mm	19mm	65mm	WTF
0003-2358	GMHT0800MMBS6	8mm	8mm	12mm	50mm	GMS ²
0003-2359	GMHT0800MMBS6WTF	8mm	8mm	12mm	50mm	WTF
0003-2356	GMHT0800MMB6	8mm	8mm	22mm	65mm	GMS ²
0003-2357	GMHT0800MMB6WTF	8mm	8mm	22mm	65mm	WTF
0003-2360	GMHT1000MMB6	10mm	10mm	25mm	75mm	GMS ²
0003-2361	GMHT1000MMB6WTF	10mm	10mm	25mm	75mm	WTF
0003-2364	GMHT1200MMBS6	12mm	12mm	19mm	63mm	GMS ²
0003-2365	GMHT1200MMBS6WTF	12mm	12mm	19mm	63mm	WTF
0003-2362	GMHT1200MMB6	12mm	12mm	32mm	75mm	GMS ²
0003-2363	GMHT1200MMB6WTF	12mm	12mm	32mm	75mm	WTF
0003-2382	GMHT1600MMB6	16mm	16mm	41mm	89mm	GMS ²
0003-2383	GMHT1600MMB6WTF	16mm	16mm	41mm	89mm	WTF
0003-2384	GMHT2000MMB6	20mm	20mm	41mm	100mm	GMS ²
0003-2385	GMHT2000MMB6WTF	20mm	20mm	41mm	100mm	WTF

Available in GMS² and WTF Coating:

- Gorilla coatings are just a few thousandths of a millimeter thick but harder than steel; these low-friction coatings are extremely wear-resistant and chemically inert. The optimum coating is determined on the basis of both conditions of use and economic considerations.



Gorilla 7 Flute Radius, WTF & GMS² Coated End Mills, Inch, Super Bitchin' Performance - ferrous, **Made in USA**

Gorilla Mill BABOON End Mill Serials.

Made in USA.

7 Flute (Inch) Radius End, Super Bitchin' Performance - ferrous.

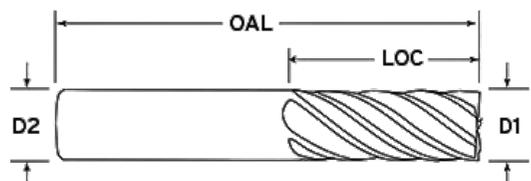
- Variable flute and index design which reduces chatter and vibration.
- Recommended for aggressive machining applications in all materials.
- Produced with the highest Transverse Rupture Strength (TRS) nano-grain carbide substrate available.
- Available in special diameters, lengths and completely resharpenable.
- Based on the original 5 flute Gorilla Mill, the "Baboon" for High Temp Alloys features geometric enhancements that make it uniquely suited for difficult to machine materials.
- **Should be run at specific parameters. See "Speeds and Feeds" chart [HERE](#).**



WTF Coating



GMS² Coating



Available in GMS² & WTF Coating.

CanCNC Item#	Gorilla Mill Item#	D1 Cutting Dia.	D2 Shank Dia.	LOC	Corner Radius	OAL	Coating
0003-0254	GMHT12RXL7090	1/2"	1/2"	2"	0.090"	4"	GMS ²
0003-2028	GMHT12RXL7090WTF	1/2"	1/2"	2"	0.090"	4"	WTF
0003-2448	GMHT12RXLH7060	1/2"	1/2"	2-1/2"	0.060"	5"	GMS ²
0003-2449	GMHT12RXLH7060WTF	1/2"	1/2"	2-1/2"	0.060"	5"	WTF

Features:

- Use of a 5C collet assures concentricity.
- Holding 1/16" to 1-1/8" shank end mills.
- Grinds 2-3-4-6-8 and 12-flute end mill and shell mill face only.
- Shell mills can easily be held with straight shank arbor.



Item	2330-0050
Price	\$154⁰⁰ set

Micrograin Solid Carbide End Mill

Features:

- 4-flute and 2-flute
- Single end
- Center cutting



1008-0516

2 Flute



1006-0516

4 Flute

Dia	Shank Dia	Flute Length	OAL	Item # 4 Flute	Price	Item # 2 Flute	Price
1/16"	1/8"	3/16"	1-1/2"	1006-0116	\$15.20/PC	1008-0116	\$15.20/PC
1/8"	1/8"	1/2"	1-1/2"	1006-0018	\$16.00/PC	1008-0018	\$16.00/PC
3/16"	3/16"	5/8"	2"	1006-0316	\$21.00/PC	1008-0316	\$21.00/PC
1/4"	1/4"	3/4"	1-1/2"	1006-0014	\$28.00/PC	1008-0014	\$28.00/PC
5/16"	5/16"	3/4"	2-1/2"	1006-0516	\$43.00/PC	1008-0516	\$43.00/PC
3/8"	3/8"	1"	2-1/2"	1006-0038	\$62.00/PC	1008-0038	\$62.00/PC
1/2"	1/2"	1"	3"	1006-0012	\$89.00/PC	1008-0012	\$89.00/PC
9/16"	9/16"	1-1/8"	3-1/2"	1006-0916	\$140.00/PC		



Features:

- Made from premium H.S.S. M2
- Straight shank, ANSI standard
- Spiral flute, right-hand cut
- Diameter tolerance: +0.0001" to +0.0005"
-0.0000"
- In a fitted aluminum case



5528-0700

5528-0700, Fractional Sizes:

7pcs/set: 1/8" thru 1/2" by 16ths

Size	Dec. Equiv.	Flute Legth	Overall Length
1/8"	0.1250"	7/8"	3-1/2"
3/16"	0.1875"	1-1/8"	4-1/2"
1/4"	0.2500"	1-1/2"	6"
5/16"	0.3125"	1-1/2"	6"
3/8"	0.3750"	1-3/4"	7"
7/16"	0.4375"	1-3/4"	7"
1/2"	0.5000"	2"	8"

5528-1400, Over & Under Sizes:

14pcs/set: 0.1240" thru 0.5010"

Size	Dec. Equiv.	Flute Legth	Overall Length
0.1240"	0.1240"	7/8"	3-1/2"
0.1260"	0.1260"	7/8"	3-1/2"
0.1865"	0.1865"	1-1/8"	4-1/2"
0.1885"	0.1885"	1-1/8"	4-1/2"
0.2490"	0.2490"	1-1/2"	6"
0.2510"	0.2510"	1-1/2"	6"
0.3115"	0.3115"	1-1/2"	6"
0.3135"	0.3135"	1-1/2"	7"
0.3740"	0.3740"	1-3/4"	7"
0.3760"	0.3760"	1-3/4"	7"
0.4365"	0.4365"	1-3/4"	7"
0.4385"	0.4385"	1-3/4"	7"
0.4990"	0.4990"	2"	8"
0.5010"	0.5010"	2"	8"



Item 5528-0700
Price \$139⁰⁰_{set}



Item 5528-1400
Price \$212⁰⁰_{set}

Features & Benefits:

- **Efficient Cutting:**
Spiral 3-flute design reduces cutting resistance compared to straight-flute countersinks. Spiral 3-flute geometry for a clean, chatterless finish.
- **Smooth Chamfering:**
Produces cleaner and smoother finishes on edges.
- **Improved Chip Evacuation:**
Enhanced chip removal for consistent performance and reduced clogging. Provide a better chip clearance.
- **Low Vibration:**
Runs more steadily with less chatter than straight-flute countersinks.
- **Durable H.S.S. Construction:**
High-speed steel ensures long tool life and reliable use across a wide range of materials.
- In a fitted plastic case.

Sizes Included:

- 1/4", 3/8", 1/2", 5/8", 3/4", 1"

Set of 5pc:

- 1/4", 3/8", 1/2", 3/4", 1"

Applications:

- Ideal for countersinking and deburring in steels, aluminum, copper, brass, plastics, and other materials.



0206-3082

Item	Angle	Price
0206-3060	60°	\$138.00/SET
0206-3082	82°	\$138.00/SET
0206-3090	90°	\$138.00/SET



4pc SCLCR Indexable Boring Bar Set, without Inserts, Working with CCMT32.5 or CCGT32.5 Inserts

GREAT

Features:

- Comes with 4 boring bars, a wrench, and the screws.
- Works with CCMT32.5 & CCGT32.5 inserts of different coatings, e.g. TiN coated, CVD coated, PVD coated.
- Extreme gloss finish.
- Utilizes 80° diamond CCMT or CCGT inserts.
- Negative 5° end or side cutting angle.
- Bar hardness approx. 45 HRC.



Item P252-S411
(CCMT or CCGT)
Price \$218⁰⁰ set

Set includes:

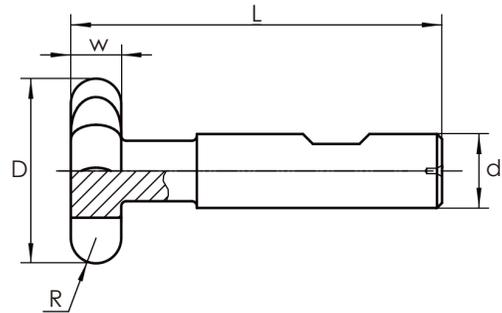
- S08Q-SCLCR3, 1/2" shank without insert.
- S10R-SCLCR3, 5/8" shank without insert.
- S12S-SCLCR3, 3/4" shank without insert.
- S16T-SCLCR3, 1" shank without insert.
- 1pc Torx wrench.
- 4pcs extra Torx screws.
- 1pc aluminum fitted case.

NORTHWARD H.S.S. Convex & Concave Radius Cutter End Mill

NEW

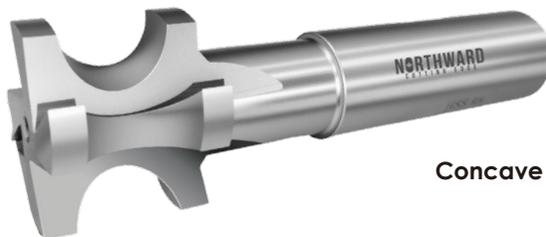


Convex

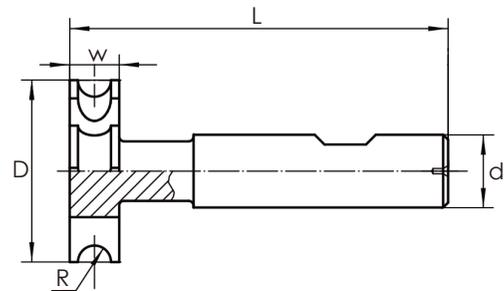


Convex

Item	Radius Dia. (R)	Cutting Dia. (D)	Shank Dia. (d)	Cutting Width (w)	Overll Length (L)	Flute	Price
2805-0332	3/32"	7/8"	1/2"	3/16"	3"	6	\$36.00/PC
2805-0018	1/8"	1-1/4"	3/4"	1/4"	3-1/2"	6	\$55.00/PC
2805-0532	5/32"	1-5/16"	3/4"	5/16"	3-1/2"	6	\$60.00/PC
2805-0316	3/16"	1-3/8"	3/4"	3/8"	3-1/2"	6	\$66.00/PC
2805-0014	1/4"	1-1/2"	3/4"	1/2"	4"	4	\$93.00/PC



Concave



Concave

Item	Radius Dia. (R)	Cutting Dia. (D)	Shank Dia. (d)	Cutting Width (w)	Overll Length (L)	Flute	Price
2810-0332	3/32"	3/4"	1/2"	3/8"	3"	6	\$40.00/PC
2810-0018	1/8"	1"	3/4"	7/16"	3-1/2"	6	\$63.00/PC
2810-0532	5/32"	1"	3/4"	9/16"	3-1/2"	6	\$66.00/PC
2810-0316	3/16"	1"	3/4"	5/8"	3-1/2"	6	\$72.00/PC
2810-0014	1/4"	1-1/4"	3/4"	13/16"	4"	4	\$99.00/PC

H.S.S. Annular Cutter, CBN Ground, with 3/4" or 1-1/4" Weldon Shank, ANSI Standard Cutting Depth: 1", 2", 3" & 4"

Cutters with 7/16" to 2-11/32" diameter are with 3/4" Weldon shanks, dia. of hole of pilot pin = 1/4"
Cutters with 2-3/8" to 4" diameter are with 1-1/4" Weldon shanks, dia. of hole of pilot pin = 5/16"



2080-2012



2083-2018



2081-2012



2084-2018

Dia. of Cut	Cutting Depth							
	1"		2"		3"		4"	
		Price		Price		Price		Price
7/16"	2080-2012	\$18.00/PC	2081-2012	\$25.00/PC				
1/2"	2080-2013	\$19.00/PC	2081-2013	\$29.00/PC				
9/16"	2080-2014	\$21.00/PC	2081-2014	\$32.00/PC				
5/8"	2080-2015	\$21.00/PC	2081-2015	\$35.00/PC				
11/16"	2080-2016	\$23.00/PC	2081-2016	\$36.00/PC				
3/4"	2080-2017	\$26.00/PC	2081-2017	\$39.00/PC				
13/16"	2080-2018	\$27.00/PC	2081-2018	\$43.00/PC	2083-2018	\$57.00/PC	2084-2018	\$109.00/PC
7/8"	2080-2019	\$29.00/PC	2081-2019	\$46.00/PC	2083-2019	\$65.00/PC	2084-2019	\$120.00/PC
15/16"	2080-2020	\$32.00/PC	2081-2020	\$50.00/PC	2083-2020	\$68.00/PC	2084-2020	\$127.00/PC
1"	2080-2021	\$33.00/PC	2081-2021	\$52.00/PC	2083-2021	\$76.00/PC	2084-2021	\$142.00/PC
1-1/16"	2080-2022	\$36.00/PC	2081-2022	\$55.00/PC	2083-2022	\$80.00/PC	2084-2022	\$154.00/PC
1-1/8"	2080-2023	\$37.00/PC	2081-2023	\$64.00/PC	2083-2023	\$87.00/PC	2084-2023	\$171.00/PC
1-3/16"	2080-2024	\$39.00/PC	2081-2024	\$66.00/PC	2083-2024	\$98.00/PC	2084-2024	\$186.00/PC
1-1/4"	2080-2025	\$42.00/PC	2081-2025	\$70.00/PC	2083-2025	\$105.00/PC	2084-2025	\$201.00/PC
1-5/16"	2080-2026	\$45.00/PC	2081-2026	\$76.00/PC	2083-2026	\$113.00/PC	2084-2026	\$218.00/PC
1-3/8"	2080-2027	\$47.00/PC	2081-2027	\$80.00/PC	2083-2027	\$120.00/PC	2084-2027	\$233.00/PC
1-7/16"	2080-2028	\$52.00/PC	2081-2028	\$83.00/PC	2083-2028	\$127.00/PC	2084-2028	\$249.00/PC
1-1/2"	2080-2029	\$54.00/PC	2081-2029	\$86.00/PC	2083-2029	\$134.00/PC	2084-2029	\$262.00/PC
1-9/16"	2080-2030	\$57.00/PC	2081-2030	\$88.00/PC	2083-2030	\$139.00/PC	2084-2030	\$274.00/PC
1-5/8"	2080-2031	\$64.00/PC	2081-2031	\$98.00/PC	2083-2031	\$142.00/PC	2084-2031	\$286.00/PC
1-11/16"	2080-2032	\$66.00/PC	2081-2032	\$105.00/PC	2083-2032	\$154.00/PC	2084-2032	\$295.00/PC
1-3/4"	2080-2033	\$75.00/PC	2081-2033	\$112.00/PC	2083-2033	\$165.00/PC	2084-2033	\$325.00/PC
1-13/16"	2080-2034	\$76.00/PC	2081-2034	\$116.00/PC	2083-2034	\$176.00/PC	2084-2034	\$341.00/PC
1-7/8"	2080-2035	\$79.00/PC	2081-2035	\$123.00/PC	2083-2035	\$183.00/PC	2084-2035	\$351.00/PC
1-15/16"	2080-2036	\$83.00/PC	2081-2036	\$128.00/PC	2083-2036	\$189.00/PC	2084-2036	\$359.00/PC
2"	2080-2037	\$88.00/PC	2081-2037	\$136.00/PC	2083-2037	\$196.00/PC	2084-2037	\$374.00/PC
2-1/16"	2080-2038	\$92.00/PC	2081-2038	\$145.00/PC				
2-1/8"	2080-2039	\$95.00/PC	2081-2039	\$149.00/PC				
2-3/16"	2080-2040	\$109.00/PC	2081-2040	\$163.00/PC				
2-1/4"	2080-2041	\$132.00/PC	2081-2041	\$189.00/PC				
2-5/16"	2080-2042	\$145.00/PC	2081-2042	\$201.00/PC				
2-3/8"	2080-2043	\$161.00/PC	2081-2043	\$219.00/PC				
2-7/16"	2080-2044	\$167.00/PC	2081-2044	\$225.00/PC				
2-1/2"	2080-2045	\$176.00/PC	2081-2045	\$238.00/PC				
2-9/16"	2080-2046	\$188.00/PC	2081-2046	\$251.00/PC				
2-5/8"	2080-2047	\$193.00/PC	2081-2047	\$258.00/PC				
2-11/16"	2080-2048	\$198.00/PC	2081-2048	\$266.00/PC				
2-3/4"	2080-2049	\$208.00/PC	2081-2049	\$284.00/PC				
2-13/16"	2080-2050	\$219.00/PC	2081-2050	\$296.00/PC				
2-7/8"	2080-2051	\$230.00/PC	2081-2051	\$311.00/PC				
2-15/16"	2080-2052	\$237.00/PC	2081-2052	\$319.00/PC				
3"	2080-2053	\$243.00/PC	2081-2053	\$328.00/PC				
3-1/16"	2080-2054	\$255.00/PC	2081-2054	\$347.00/PC				
3-1/8"	2080-2055	\$267.00/PC	2081-2055	\$361.00/PC				
3-1/4"	2080-2057	\$288.00/PC	2081-2057	\$406.00/PC				
3-3/8"	2080-2059	\$307.00/PC	2081-2059	\$439.00/PC				
3-1/2"	2080-2061	\$350.00/PC	2081-2061	\$482.00/PC				

M35(H.S.S. + 5% Cobalt) Annular Cutter with 1-1/4" Weldon Shank, CBN Ground

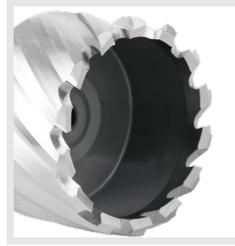
GREAT

ISO9001

Cutters with 2-1/2" diameter is with 1-1/4" Weldon shanks, dia. of hole of pilot pin: 5/16"

Features:

- HSS-Co annular cutters are made of Molybdenum-Chromium-Vanadium-Tungsten alloy high-speed steel with an additional 5% cobalt (M35) for inch sizes. The HSS-Co annular cutter is specifically designed to remain cool when cutting holes. All flutes are fully ground, resulting in super fast feed speed and finishing holes on hard materials, improving the chip break and cutting performance. The M35 HSS-Co annular cutter is widely used in the metalworking industry for its superior red hardness comparing with conventional high-speed steel. It leads to a shorter cycle time in productions due to its higher cutting speed.



3580-2045

Item	Dia. of Cut	Cutting Depth	Price
3580-2045	2-1/2"	1"	\$264.00/PC
3581-2045	2-1/2"	2"	\$325.00/PC

H.S.S. Annular Cutter with Nitto / Weldon / One-touch Shank, CBN Ground, Cutting Depth 1"

ISO9001



Cutters with 9/16" to 13/16" diameter are with 3/4" Nitto/Weldon/One-touch shanks, dia. of hole of pilot pin: 1/4"

Item	Dia. of Cut	Cutting Depth	Price
1190-2014	9/16"	1"	\$24.00/PC
1190-2017	11/16"	1"	\$28.00/PC
1190-2021	13/16"	1"	\$32.00/PC

Tungsten Carbide Tipped Annular Cutter with One-touch Shank CBN Ground, ANSI Standard, Cutting Depth: 1" or 2"

ISO9002

Cutters with 11/16" diameters are with 3/4" one-touch shanks, dia. of hole of pilot pin: 1/4" Cutters with 13/16" to 1-1/16" diameter are with 3/4" one-touch shanks, dia. of hole of pilot pin: 5/16"



3080-2018

Item	Dia. of Cut	Cutting Depth	Price
3080-2016	11/16"	1"	\$58.00/PC
3080-2018	13/16"	1"	\$58.00/PC
3080-2019	7/8"	1"	\$62.00/PC
3080-2020	15/16"	1"	\$66.00/PC
3080-2021	1"	1"	\$72.00/PC
3080-2022	1-1/16"	1"	\$77.00/PC
3081-2016	11/16"	2"	\$83.00/PC
3081-2018	13/16"	2"	\$87.00/PC
3081-2019	7/8"	2"	\$95.00/PC
3081-2020	15/16"	2"	\$98.00/PC
3081-2021	1"	2"	\$105.00/PC
3081-2022	1-1/16"	2"	\$109.00/PC

Features:

- Same connection as the annular cutters.
- This system makes dismantling of the cutter spindle unnecessary.
- Suitable for the most common processes of metal and steel.
- Machined from one solid blank. (no weak spots caused by inferior material or welds)

6pcs/set - 1" cut with 3/4" Weldon shank

Contains:

- 1pc H.S.S. Twist Drill 1/4" x 1" Depth (0519-1014)
- 1pc H.S.S. Twist Drill 5/16" x 1" Depth (0519-1516)
- 1pc H.S.S. Twist Drill 3/8" x 1" Depth (0519-1038)
- 1pc H.S.S. Twist Drill 7/16" x 1" Depth (0519-1716)
- 1pc H.S.S. Twist Drill 1/2" x 1" Depth (0519-1012)
- 1pc H.S.S. Twist Drill 9/16" x 1" Depth (0519-1916)
- In a fitted plastic case



0519-2501



0519-1014 0519-1038 0519-2038 0519-2012

Item 0519-2501
Price \$109⁰⁰_{set}

6pcs/set - 2" cut with 3/4" Weldon shank

Contains:

- 1pc H.S.S. Twist Drill 1/4" x 2" Depth (0519-2014)
- 1pc H.S.S. Twist Drill 5/16" x 2" Depth (0519-2516)
- 1pc H.S.S. Twist Drill 3/8" x 2" Depth (0519-2038)
- 1pc H.S.S. Twist Drill 7/16" x 2" Depth (0519-2716)
- 1pc H.S.S. Twist Drill 1/2" x 2" Depth (0519-2012)
- 1pc H.S.S. Twist Drill 9/16" x 2" Depth (0519-2916)
- In a fitted plastic case

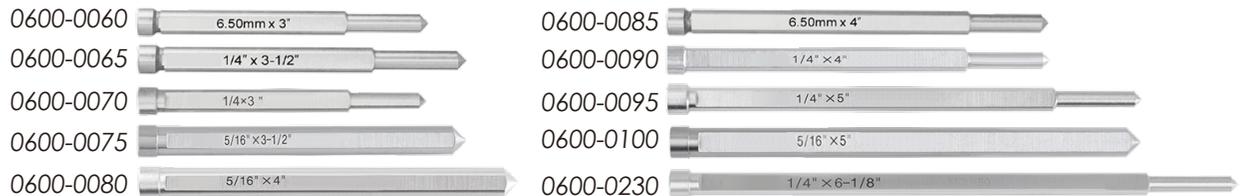


0519-5002

Item	Size		Price
	Dia. of Drill	Cutting Depth	
0519-1014	1/4"	1"	\$18.00/PC
0519-1516	5/16"	1"	\$18.00/PC
0519-1038	3/8"	1"	\$18.00/PC
0519-1716	7/16"	1"	\$20.00/PC
0519-1012	1/2"	1"	\$20.00/PC
0519-1916	9/16"	1"	\$20.00/PC
0519-2014	1/4"	2"	\$23.00/PC
0519-2516	5/16"	2"	\$24.00/PC
0519-2038	3/8"	2"	\$25.00/PC
0519-2716	7/16"	2"	\$25.00/PC
0519-2012	1/2"	2"	\$25.00/PC
0519-2916	9/16"	2"	\$31.00/PC

Item 0519-5002
Price \$149⁰⁰_{set}

Pilot Pin



Item	Size		Suitable for Annular Cutter			Price
	Dia	OAL	Series Cutter	Range	Cutting Depth	
0600-0060	6.50mm	3"	2080-series	7/16" to 1/2"	1"	\$2.00/PC
0600-0065	1/4"	3-1/2"	3080-series	1/2" to 11/16"	1"	\$2.00/PC
0600-0070	1/4"	3"	2080-series	7/16" to 2-11/32"	1"	\$2.00/PC
0600-0075	5/16"	3-1/2"	1190-series	7/16" to 2-11/32"	1"	\$2.00/PC
			2080-series	2-3/8" to 4"		
0600-0080	5/16"	4"	3080-series	3/4" to 2-1/2"	1"	\$2.40/PC
			3580-series	2-3/8" to 4"		
0600-0085	6.50mm	4"	3081-series	3/4" to 2-1/2"	2"	\$2.40/PC
0600-0090	1/4"	4"	2081-series	7/16" to 1/2"	2"	\$2.40/PC
			3081-series	7/16" to 2-11/32"		
0600-0095	1/4"	5"	2081-series	1/2" to 11/16"	2"	\$2.40/PC
			2083-series	13/16" to 2"	3"	\$2.40/PC
0600-0100	5/16"	5"	2081-series	2-3/8" to 4"	2"	\$2.40/PC
			3581-series	2-3/8" to 4"		
0600-0230	1/4"	6-1/8"	2084-series	13/16" to 2"	4"	\$5.30/PC



7pc H.S.S. Annular Cutters Set, 3/4" Weldon Shank, TiN Coated, In a Metal Case

GREAT

ISO9001

Contains:

- 1pc H.S.S. Annular Cutter 9/16" x 1" Depth (TiN Coated)
- 1pc H.S.S. Annular Cutter 5/8" x 1" Depth (TiN Coated)
- 1pc H.S.S. Annular Cutter 11/16" x 1" Depth (TiN Coated)
- 1pc H.S.S. Annular Cutter 3/4" x 1" Depth (TiN Coated)
- 1pc H.S.S. Annular Cutter 13/16" x 1" Depth (TiN Coated)
- 1pc H.S.S. Annular Cutter 15/16" x 1" Depth (TiN Coated)
- 1pc Pilot Pin Dia. 1/4" x 3" OAL (0600-0070)
- In a fitted metal case



Item	BC01-1000
Price	\$183 ⁰⁰ set



7pc M35(H.S.S. +5% Cobalt) Annular Cutters Set, 3/4" Weldon Shank, In a Metal Case

ISO9001

Contains:

- 1pc M35 (H.S.S.+5% cobalt) Annular Cutter 9/16" x 1" Depth (bronze color)
- 1pc M35 (H.S.S.+5% cobalt) Annular Cutter 5/8" x 1" Depth (bronze color)
- 1pc M35 (H.S.S.+5% cobalt) Annular Cutter 11/16" x 1" Depth (bronze color)
- 1pc M35 (H.S.S.+5% cobalt) Annular Cutter 3/4" x 1" Depth (bronze color)
- 1pc M35 (H.S.S.+5% cobalt) Annular Cutter 13/16" x 1" Depth (bronze color)
- 1pc M35 (H.S.S.+5% cobalt) Annular Cutter 15/16" x 1" Depth (bronze color)
- 1pc Pilot Pin Dia. 1/4" x 3" OAL (0600-0070)
- In a fitted metal case



Item	AC01-1000
Price	\$295 ⁰⁰ set

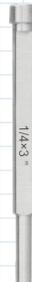


0600-0065



3080-series

Cut Dia:
1/2" to 11/16"



0600-0070

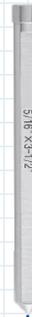


2080-series

Cut Dia:
7/16" to 2-11/32"



1190-series



0600-0075



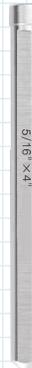
3080-series

Cut Dia:
3/4" to 2-1/2"



2080-series
3580-series

Cut Dia:
2-3/8" to 4"



0600-0080



3081-series

Cut Dia:
3/4" to 2-1/2"



0600-0090



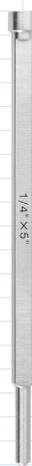
2081-series

Cut Dia:
7/16" to 2-11/32"



3081-series

Cut Dia:
1/2" to 11/16"

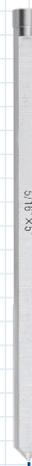


0600-0095



2083-series

Cut Dia: 13/16" to 2"



0600-0100



2081-series
3581-series

Cut Dia: 2-3/8" to 4"



0600-0230



2084-series

Cut Dia:
13/16" to 2"



0001-0040



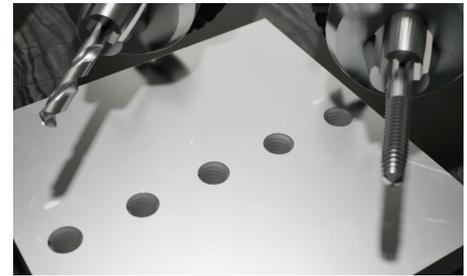
0001-0050



0001-0052

Features:

- ANSI standard.
- Ground from solid high speed steel.
- Organizes 9pcs taps with the 9pcs corresponding jobber length drills.
- General purpose for use in ferrous and non-ferrous material.
- In a fitted metal index.



Item	Description	Price
0001-0040	18pcs UNC Tap & Drill Set	\$86.00/SET
0001-0050	18pcs UNF Tap & Drill Set	\$86.00/SET
0001-0052	18pcs Metric Tap & Drill Set	\$86.00/SET

**0001-0040,
18pcs UNC Tap & Drill Set**

Size of Taps	Size of Drills
6-32UNC	#36
8-32UNC	#29
10-24UNC	#25
10-32UNF	#21
1/4"-20UNC	#7
5/16"-18UNC	F
3/8"-16UNC	5/16"
7/16"-14UNC	U
1/2"-13UNC	27/64"

**0001-0050,
18pcs UNF Tap & Drill Set**

Size of Taps	Size of Drills
6-40UNF	#33
8-36UNF	#29
10-24UNF	#25
10-32UNF	#21
1/4"-28UNF	#3
5/16"-24UNF	I
3/8"-24UNF	Q
7/16"-20UNF	25/64"
1/2"-20UNF	29/64"

**0001-0052,
18pcs Metric Tap & Drill Set**

Size of Taps	Size of Drills
M2.5 x 0.45	2.05mm
M3.0 x 0.50	2.50mm
M3.5 x 0.60	2.90mm
M4.0 x 0.70	3.30mm
M5.0 x 0.80	4.20mm
M6.0 x 1.00	5.00mm
M8.0 x 1.25	6.70mm
M10.0 x 1.50	8.50mm
M12.0 x 1.75	10.20mm



0001-0040



115pc M35(H.S.S.+5% Cobalt) Jobber Length Drill Set 135° Split Point

GREAT **ISO9001**



Features:

- M35(H.S.S.+5% Cobalt).
- 115 pcs/set: 1/16" - 1/2" by 64ths, No.1 to 60 and A to Z.
- Straight shank, ANSI standard.
- Right-hand.
- 135° split point drills do not require spot before drilling to prevent walking. The cobalt 135° split point drills last longer, cut faster and enable much less wobble than standard HSS 118° point drills. Ideal for drilling cast iron, heat-treated steel, stainless steel and other hard materials.
- In a strong fitted metal case.

Item	0422-1003
Price	\$379 ⁰⁰ _{set}

CanCNC
Tooling Solutions

32pc H.S.S. 1/2" Shank S&D Drill Set 118° Point



Item	H516-6506
Price	\$327 ⁰⁰ _{set}

Features:

- High-speed steel.
- Black oxide finished.
- 32pcs/set with 1/2" shank sliver & deming drill set in a fitted case.
- Size: 33/64"-1" by 64ths.
- All bits are 6" long with 3" long flutes.
- In a strong wooden block.

29pc M35(H.S.S.+5% Cobalt) Professional Jobber Length Drill Set 135° Split Point

Features:

- M35(H.S.S.+5% Cobalt).
- Set includes: 1/16"-1/2" by 1/64".
- Straight shank, ANSI standard.
- Right-hand.
- 135° split point for fast penetration and accurate starting with no punch.
- Retains hardness at high temperatures.
- Lasts 12x longer than standard 118° point drill bits.
- 135° split point drills do not require spot before drilling to prevent walking. The cobalt 135° split point drills last longer, cut faster and enable much less wobble than standard HSS 118° point drills. Ideal for drilling cast iron, heat-treated steel, stainless steel and other hard materials.
- In a strong Rose-plastic case.



Item	0422-0029
Price	\$195 ⁰⁰ _{set}

19pc M35(H.S.S.+5% Cobalt) Twist Drill Set, Metric 135° Split Point

Features:

- M35(H.S.S.+5% Cobalt).
 - 19pcs/set: 1-10mm x 0.5mm.
 - Fully ground from solid.
 - Right-hand.
 - 135° split point drills do not require spot before drilling to prevent walking.
- The cobalt 135° split point drills last longer, cut faster and enable much less wobble than standard HSS 118° point drills. Ideal for drilling cast iron, heat-treated steel, stainless steel and other hard materials.
- In a strong Rose-plastic case.

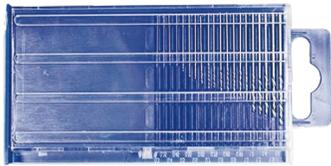


Item	3110-1119
Price	\$88 ⁰⁰ _{set}

20pc H.S.S. Mini Drill Set



ISO9001



0.3-1.6mm with a Plastic Case



#61-#80 with a Plastic Case

Item	EXP1-1520
Price	\$14⁰⁰ set

Item	EXP1-1521
Price	\$14⁰⁰ set

Diamond Needle File Set

Features:

- Set of 10 diamond warding files in a wallet.

Shapes include:

- Round, flat, parallel, square, 3-square, half round, knife, crossing, oval, & crossing taper.



EXP7-2508

Item	Shank Size	Overall Length	Cutter Length	Price
EXP7-2506	5/64" (2mm)	4" (100mm)	1-1/2"	\$15.00/SET
EXP7-2507	1/8" (3mm)	5-1/2" (140mm)	2"	\$18.00/SET
EXP7-2508	3/16" (5mm)	7" (180mm)	2-7/8"	\$26.00/SET

21pc M35(H.S.S.+5% Cobalt) Jobber Length Drill Set 135° Split Point

ISO9001

Features:

- M35(H.S.S.+5% Cobalt).
- 21pcs set: 1/16-3/8" by 64ths.
- Straight shank, ANSI standard.
- Right-hand.
- 135° split point drills do not require spot before drilling to prevent walking. The cobalt 135° split point drills last longer, cut faster and enable much less wobble than standard HSS 118° point drills. Ideal for drilling cast iron, heat-treated steel, stainless steel and other hard materials.
- In a fitted Rose-plastic case.



Item	0021-0200
Price	\$75⁰⁰ set

Diamond Coated Engraving & Deburring Set

Features:

- Each set has 20 different tools, each in various sizes and styles. Lead for a wide range of tasks.

- 1/8" shank or 1/4" shank.
- Length: 1-3/4".
- Grit: 180.

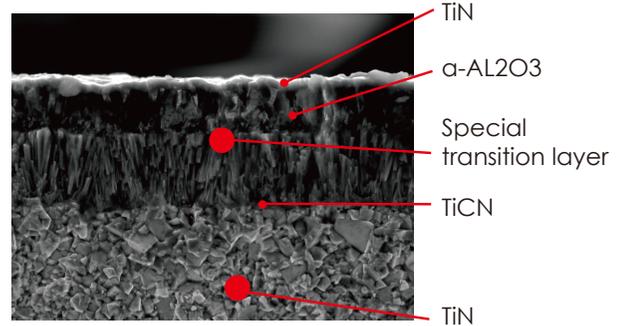


EXP1-0050

Item	Shank Size	Piece in Set	Price
EXP1-0050	1/8"	20	\$16.00/SET
EXP1-0055	1/4"	10	\$16.00/SET

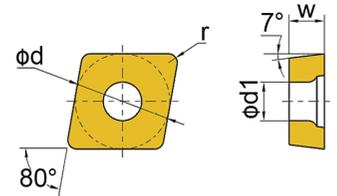
Features:

- Designed for finish turning applications.
- The substrate provides excellent resistance to thermal cracks, plastic deformation, and chipping.
- Advanced coating technology withstands high temperatures during machining, with or without coolant, ensuring a long tool life.
- Yellow TiN outer coating enhances performance and allows for easy identification of wear conditions, reducing downtime.
- Composite coatings increase wear resistance and extend the service life of cutting edges.
- TiCN improves coating adhesion, ensuring robust edge strength.
- Layered cemented carbide matrix delivers superior wear resistance, plastic deformation resistance, and edge toughness.



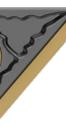
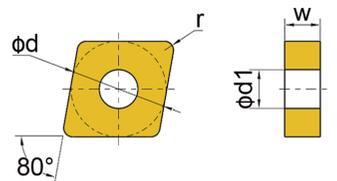
CCMT Carbide Inserts for Cutting Steel

Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6200-1008	CCMT21.51-P3	CCMT060204-P3	1/4"	3/32"	0.110"	1/64"	\$6.00/PC
6200-1014	CCMT32.51-P3	CCMT09T304-P3	3/8"	5/32"	0.173"	1/64"	\$6.80/PC
6200-1016	CCMT32.52-P3	CCMT09T308-P3	3/8"	5/32"	0.173"	1/32"	\$6.80/PC
6200-1020	CCMT432-P3	CCMT120408-P3	1/2"	3/16"	0.216"	1/32"	\$8.60/PC



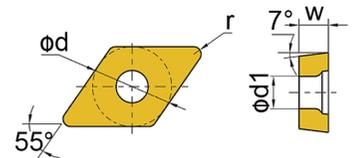
CNMG Carbide Inserts for Cutting Steel

Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6202-1016	CNMG432-P3	CNMG120408-P3	1/2"	3/16"	0.203"	1/32"	\$9.30/PC
6202-1018	CNMG433-P3	CNMG120412-P3	1/2"	3/16"	0.203"	3/64"	\$9.30/PC



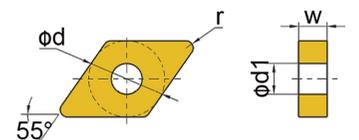
DCMT Carbide Inserts for Cutting Steel

Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6224-1010	DCMT21.51-P3	DCMT070204-P3	1/4"	3/32"	0.110"	1/64"	\$7.00/PC
6224-1012	DCMT21.52-P3	DCMT070208-P3	1/4"	3/32"	0.110"	1/32"	\$7.00/PC
6224-1014	DCMT32.51-P3	DCMT11T304-P3	3/8"	5/32"	0.173"	1/64"	\$8.00/PC
6224-1016	DCMT32.52-P3	DCMT11T308-P3	3/8"	5/32"	0.173"	1/32"	\$8.00/PC

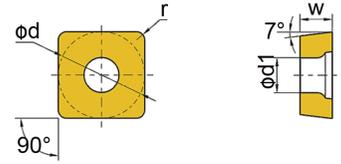
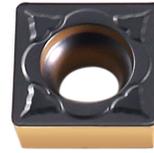


DNMG Carbide Inserts for Cutting Steel

Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6206-1026	DNMG332-P3	DNMG110408-P3	3/8"	3/16"	0.150"	1/32"	\$8.30/PC
6206-1028	DNMG432-P3	DNMG150408-P3	1/2"	3/16"	0.203"	1/32"	\$10.00/PC

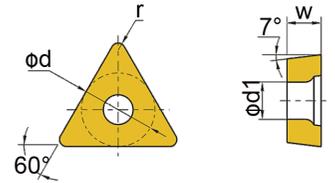


SCMT Carbide Inserts for Cutting Steel



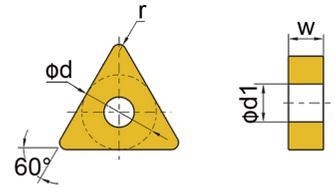
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6222-1058	SCMT432-P3	SCMT120408-P3	1/2"	3/16"	0.216"	1/32"	\$9.30/PC

TCMT Carbide Inserts for Cutting Steel



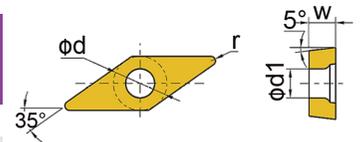
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6224-1026	TCMT1.8(1.5)1-P3	TCMT090204-P3	0.225"	3/32"	0.098"	1/64"	\$6.60/PC
6224-1028	TCMT21.51-P3	TCMT110204-P3	1/4"	3/32"	0.110"	1/64"	\$6.60/PC
6224-0193	TCMT221-P3	TCMT110304-P3	1/4"	1/8"	0.110"	1/64"	\$6.60/PC
6224-1034	TCMT32.51-P3	TCMT16T304-P3	3/8"	5/32"	0.173"	1/64"	\$7.50/PC
6224-1036	TCMT432-P3	TCMT220408-P3	1/2"	3/16"	0.216"	1/32"	\$10.50/PC

TNMG Carbide Inserts for Cutting Steel



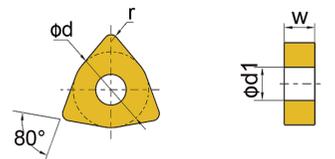
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6222-1032	TNMG322-P3	TNMG160308-P3	3/8"	1/8"	0.150"	1/32"	\$8.00/PC
6222-1034	TNMG332-P3	TNMG160408-P3	3/8"	3/16"	0.150"	1/32"	\$8.00/PC
6222-1036	TNMG432-P3	TNMG220408-P3	1/2"	3/16"	0.203"	1/32"	\$10.00/PC

VBMT Carbide Inserts for Cutting Steel



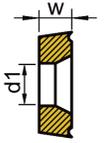
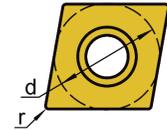
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6238-1026	VBMT221-P3	VBMT110304-P3	1/4"	1/8"	0.110"	1/64"	\$8.60/PC
6238-1028	VBMT332-P3	VBMT160408-P3	3/8"	3/16"	0.173"	1/32"	\$9.50/PC

WNMG Carbide Inserts for Cutting Steel



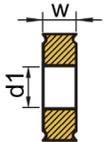
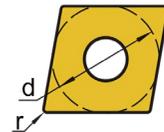
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6233-1018	WNMG332-P3	WNMG060408-P3	3/8"	3/16"	0.150"	1/32"	\$8.00/PC
6233-1022	WNMG432-P3	WNMG080408-P3	1/2"	3/16"	0.203"	1/32"	\$8.00/PC

CCMT Carbide Inserts for Cutting Steel



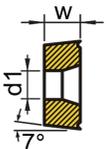
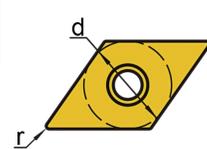
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6100-1008	CCMT21.51	CCMT060204	1/4"	3/32"	0.110"	1/64"	\$6.00/PC

CNMG Carbide Inserts for Cutting Steel



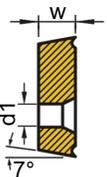
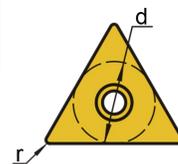
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6102-1018 (=6202-1018)	CNMG433	CNMG120412	1/2"	3/16"	0.203"	3/64"	\$8.00/PC

DCMT Carbide Inserts for Cutting Steel



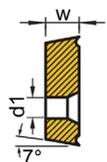
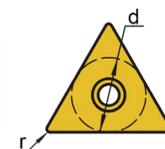
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6104-1010 (=6224-1010)	DCMT21.51	DCMT070204	1/4"	3/32"	0.110"	1/64"	\$7.20/PC
6104-1014 (=6224-1014)	DCMT32.51	DCMT11T304	3/8"	5/32"	0.173"	1/64"	\$7.60/PC

TCMT Carbide Inserts for Cutting Steel



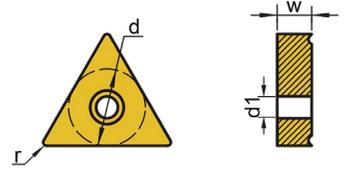
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6124-1026 (=6224-1026)	TCMT1.8(1.5)1	TCMT090204	0.225"	3/32"	0.098"	1/64"	\$6.00/PC
6124-1028 (=6224-1028)	TCMT21.51	TCMT110204	1/4"	3/32"	0.110"	1/64"	\$6.60/PC
6124-1034 (=6224-1034)	TCMT32.51	TCMT16T304	3/8"	5/32"	0.173"	1/64"	\$7.50/PC

TCMT Carbide Inserts for Cutting Steel



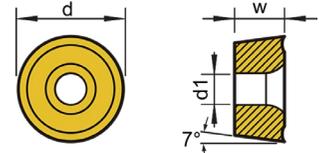
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6124-1100	TCMT520	TCMT060102	5/32"	1/16"	0.086"	0.008"	\$9.50/PC

TNMG Carbide Inserts for Cutting Steel



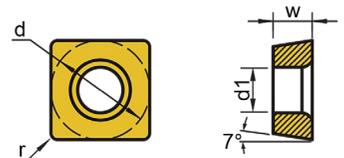
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6122-1034 (=6222-1034)	TNMG332	TNMG160408	3/8"	3/16"	0.150"	1/32"	\$8.00/PC

RCMT Carbide Inserts for Cutting Steel



Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6123-1000	RCMT220	RCMT0602MO	0.2362"	3/32"	0.110"	—	\$6.60/PC
6123-1010	RCMT320	RCMT1003MO	0.3937"	1/8"	0.138"	—	\$7.50/PC

SCMT Carbide Inserts for Cutting Steel



Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6124-1058 (=6222-1058)	SCMT432	SCMT120408	1/2"	3/16"	0.216"	1/32"	\$9.30/PC

WCMT Carbide Inserts for Cutting Steel



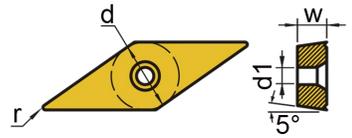
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6139-1020	WCMT2.52	WCMT050304	5/16"	1/8"	0.125"	1/64"	\$6.60/PC
6139-1024	WCMT32.51	WCMT06T304	3/8"	5/32"	0.173"	1/64"	\$6.60/PC
6139-1030	WCMT433	WCMT080412	1/2"	3/16"	0.169"	3/64"	\$7.60/PC

WNMG Carbide Inserts for Cutting Steel



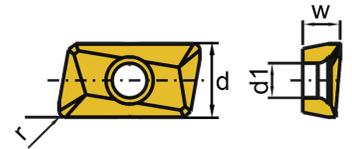
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6133-1021	WNMG431	WNMG080404	1/2"	3/16"	0.203"	1/64"	\$8.00/PC
6133-1022 (=6233-1022)	WNMG432	WNMG080408	1/2"	3/16"	0.203"	1/32"	\$8.00/PC

VBMT Carbide Inserts for Cutting Steel



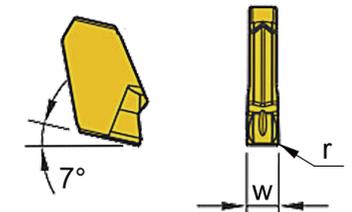
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6138-1028 (=6238-1028)	VBMT332	VBMT160408	3/8"	3/16"	0.173"	1/32"	\$9.50/PC

APKT Carbide Inserts for Cutting Steel



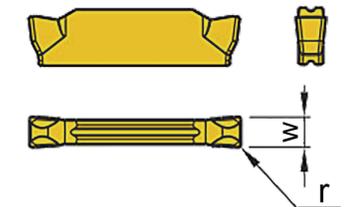
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6156-1130	APKT11T3	APKT113508	0.244"	—	0.110"	1/32"	\$5.40/PC
6156-1604	APKT1604	APKT160408	0.366"	—	0.173"	1/32"	\$6.60/PC

GTN Carbide Inserts for Cutting Steel



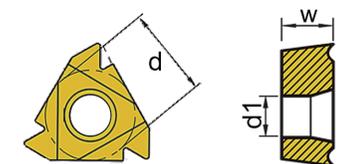
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6103-2002	GTN-2	—	—	0.078"	—	0.008"	\$6.60/PC
6103-2003	GTN-3	—	—	0.118"	—	0.008"	\$6.60/PC
6103-2004	GTN-4	—	—	0.157"	—	0.009"	\$6.60/PC
6103-2005	GTN-5	—	—	0.197"	—	0.011"	\$6.60/PC
6103-2006	GTN-6	—	—	0.236"	—	0.014"	\$7.30/PC

MGMN Carbide Inserts for Cutting Steel



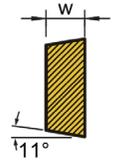
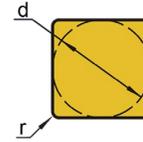
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6103-4022	MGMN200	—	—	0.079"	—	0.008"	\$6.60/PC
6103-4026	MGMN300	—	—	0.118"	—	0.009"	\$6.60/PC

External Carbide Inserts for Cutting Steel



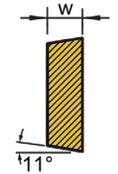
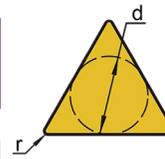
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6152-0860	08ER A60	—	3/16"	0.087"	0.098"	—	\$14.20/PC
6152-0015	11ER A60	—	1/4"	1/8"	0.120"	—	\$9.90/PC
6152-0025	16ER AG60	—	3/8"	0.144"	0.156"	—	\$9.90/PC

SPG Carbide Inserts for Cutting Steel



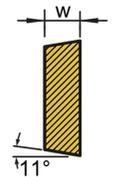
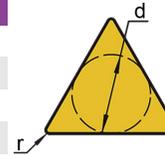
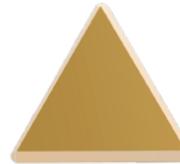
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6136-1026	SPG422	SPGN120308	1/2"	1/8"	—	1/32"	\$6.50/PC

TPU Carbide Inserts for Cutting Steel



Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6128-1026	TPU321	TPUN160304	3/8"	1/8"	—	1/64"	\$5.50/PC
6128-1030	TPU323	TPUN160312	3/8"	1/8"	—	3/64"	\$5.50/PC

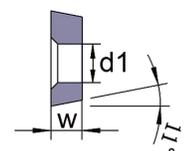
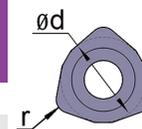
TPG Carbide Inserts for Cutting Steel



Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6127-1022	TPG221	TPGN110304	1/4"	1/8"	—	1/64"	\$4.40/PC
6127-1024	TPG222	TPGN110308	1/4"	1/8"	—	1/32"	\$4.40/PC
6127-1025	TPG22	TPGN1103	1/4"	1/8"	—	—	\$4.40/PC
6127-1026	TPG321	TPGN160304	3/8"	1/8"	—	1/64"	\$5.00/PC
6127-1028	TPG322	TPGN160308	3/8"	1/8"	—	1/32"	\$5.00/PC
6127-1029	TPG32	TPGN1603	3/8"	1/8"	—	—	\$5.00/PC
6127-1032	TPG431	TPGN220404	1/2"	3/16"	—	1/64"	\$6.80/PC
6127-1034	TPG432	TPGN220408	1/2"	3/16"	—	1/32"	\$6.80/PC

Carbide Inserts, TiALN Coated, for Cutting Steel

WPGT Carbide Inserts for Cutting Steel

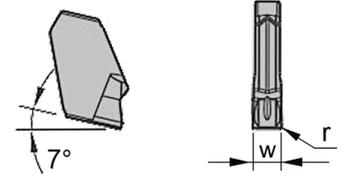


Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6105-0315	—	WPGT050315ZSR	5/16"	0.137"	0.157"	0.059"	\$14.00/PC
6106-0415	—	WPGT060415ZSR	3/8"	0.165"	0.173"	0.059"	\$15.00/PC
6108-0615	—	WPGT080615ZSR	0.505"	1/4"	0.216"	0.059"	\$18.00/PC

GTN Carbide Inserts for Cutting Stainless Steel



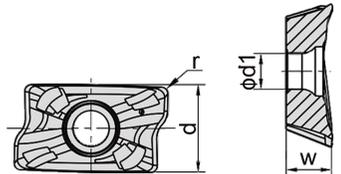
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6803-6002	GTN-2	—	—	0.078"	—	0.008"	\$6.60/PC
6803-6003	GTN-3	—	—	0.118"	—	0.008"	\$6.60/PC
6803-6004	GTN-4	—	—	0.157"	—	0.009"	\$7.00/PC



APMT Carbide Inserts for Cutting Stainless Steel



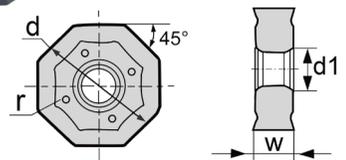
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6856-1135	APMT1135PDER-M2	—	0.244"	—	0.110"	1/32"	\$5.40/PC
6856-1604	APMT1604PDER-H2	—	0.366"	—	0.173"	1/32"	\$6.60/PC



ONHU Carbide Inserts for Cutting Stainless Steel



Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6800-0109	—	ONHU08T508	0.795"	0.227"	0.208"	0.032"	\$23.00/PC

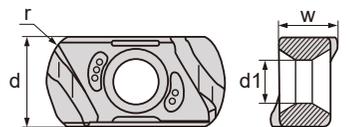


Carbide Inserts, TiALN Coated, for Cutting Stainless Steel

LNMU Carbide Inserts for Cutting Stainless Steel



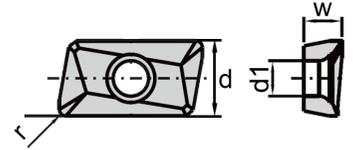
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6128-0001	LNMU030312R-JM	—	0.236"	0.154"	0.114"	0.047"	\$7.30/PC



APKT Carbide Inserts for Cutting Aluminum



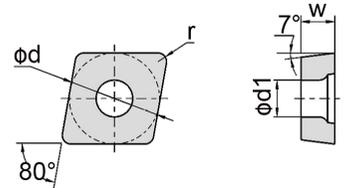
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6658-1130	APKT11T308-G2	—	0.242"	0.137"	0.110"	1/32"	\$5.40/PC
6658-1604	APKT160408-G2	—	0.364"	0.187"	0.173"	1/32"	\$6.60/PC



CCGT Carbide Inserts for Cutting Aluminum



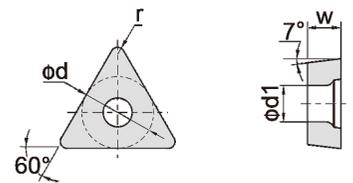
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6600-1008	CCGT21.51-LH	CCGT060204-LH	1/4"	3/32"	0.110"	1/64"	\$6.00/PC
6600-0005	CCGT32.50-LH	CCGT09T302-LH	3/8"	5/32"	0.173"	0.008"	\$6.50/PC
6600-0001	CCGT32.51-LH	CCGT09T304-LH	3/8"	5/32"	0.173"	1/64"	\$6.50/PC
6600-0002	CCGT32.52-LH	CCGT09T308-LH	3/8"	5/32"	0.173"	1/32"	\$6.50/PC
6600-0432	CCGT432-LH	CCGT120408-LH	1/2"	3/16"	0.216"	1/32"	\$7.50/PC



TCGT Carbide Inserts for Cutting Aluminum



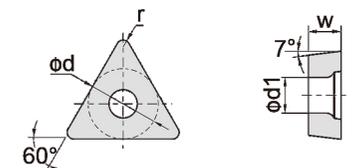
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6624-1022	TCGT1.8(1.5)1-LH	TCGT090204-LH	0.225"	3/32"	0.098"	1/64"	\$6.00/PC
6624-1024	TCGT21.51-LH	TCGT110204-LH	1/4"	3/32"	0.110"	1/64"	\$6.60/PC
6624-1034	TCGT32.51-LH	TCGT16T304-LH	3/8"	5/32"	0.173"	1/64"	\$7.80/PC



TCGT Carbide Inserts for Cutting Aluminum



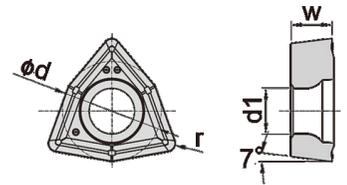
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6624-1100	TCGT520-LH	TCGT060102-LH	5/32"	1/16"	0.086"	0.008"	\$9.50/PC



WCGT Carbide Inserts for Cutting Aluminum



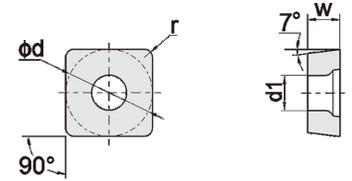
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6639-1020	WCGT2.522-AF	WCGT050308-AF	5/16"	1/8"	0.133"	1/32"	\$9.90/PC
6639-1024	WCGT32.52-AF	WCGT06T308-AF	3/8"	5/32"	0.157"	1/32"	\$9.90/PC
6639-1036	WCGT432-AF	WCGT080412-AF	1/2"	3/16"	0.169"	3/64"	\$9.90/PC



SCGT Carbide Inserts for Cutting Aluminum



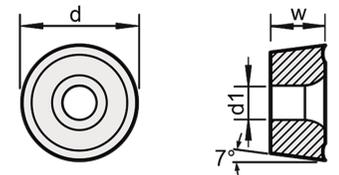
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6624-1058	SCGT432-LH	SCGT120408-LH	1/2"	3/16"	0.216"	1/32"	\$7.80/PC



RCGT Carbide Inserts for Cutting Aluminum



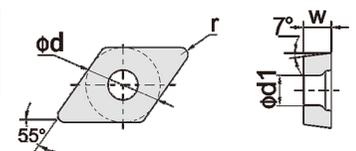
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6624-1000	RCGT220-AF	RCGT0602MO-AF	0.2362"	3/32"	0.110"	—	\$6.60/PC
6624-1010	RCGT320-AF	RCGT1003MO-AF	0.3937"	1/8"	0.138"	—	\$7.50/PC



DCGT Carbide Inserts for Cutting Aluminum



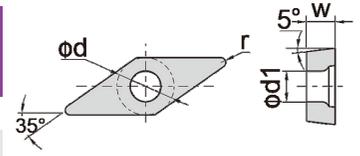
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6604-1010	DCGT21.51-LH	DCGT070204-LH	1/4"	3/32"	0.110"	1/64"	\$6.00/PC
6604-1014	DCGT32.51-LH	DCGT11T304-LH	3/8"	5/32"	0.173"	1/64"	\$6.00/PC



VBGT Carbide Inserts for Cutting Aluminum



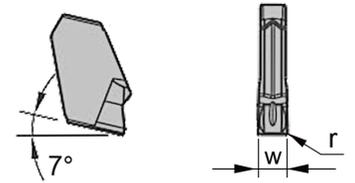
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6638-1026	VBGT222-LH	VBGT110308-LH	1/4"	1/8"	0.110"	1/32"	\$6.20/PC
6638-1028	VBGT332-LH	VBGT160408-LH	3/8"	3/16"	0.173"	1/32"	\$6.60/PC



GTN Carbide Inserts for Cutting Aluminum



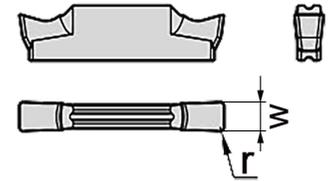
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6603-8002	GTN-2LH	—	—	0.078"	—	0.008"	\$6.60/PC
6603-8003	GTN-3LH	—	—	0.118"	—	0.008"	\$6.60/PC
6603-8004	GTN-4LH	—	—	0.157"	—	0.009"	\$7.00/PC



MGGN Carbide Inserts for Cutting Aluminum



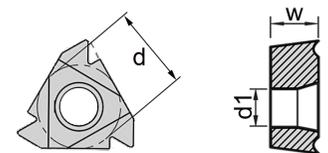
Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6603-4023	MGGN200-LH	—	—	0.079"	—	0.008"	\$6.00/PC
6603-4027	MGGN300-LH	—	—	0.118"	—	0.009"	\$6.60/PC



External Carbide Inserts for Cutting Aluminum



Item	Insert	ISO Designation	I.C (d)	Cutting Width (w)	Hole (d1)	Radius (r)	Price
6600-0015	11ER A60-LH	—	1/4"	1/8"	0.120"	—	\$9.90/PC
6600-0025	16ER AG60-LH	—	3/8"	0.144"	0.156"	—	\$9.90/PC





Shore A or D Scale Durometer Test Stands (Durometers are NOT Included)



PHT-961

Features:

- The Phase II Shore A and Phase II Shore D durometer test stand is used to improve the accuracy and reproducibility of both analog and digital durometer hardness tester readings by ensuring that the presser foot is exactly parallel to the specimen table.

Item	Description
PHT-961	Shore A Durometer Stand
PHT-981	Shore D Durometer Stand



Shore D Durometer

Certification:

- The units are not designed to ASTM specifications and cannot be certified as such.



Shore D scale is for testing the following materials:

- **Rubber:** Hard.
- **Plastics:** Harder grades such as rigid thermoplastics, plexiglass, thermoploystrene, vinyl, sheet, cellulode acetate, thermosetting Laminates (ie formica).
- **Other:** Paper filled calendar rolls, calendar bowls, etc. (materials that would not normally indent under fingernail pressure, such as a pocket comb or bowling ball).



Item PHT-980



Shore A Durometer

Certification:

- The units are not designed to ASTM specifications and cannot be certified as such.

Shore A scale is for testing the following materials:

- **Rubber:** Soft vulcanized (ie tire), natural nitrile.
- **Elastomeretric materials (rubber & rubber like):** GR-S, GR-1, neopene, thiokol, flexible polyacrylic esters neoprene, thiokol, flexible polyacrylic esters.
- **Other:** Wax, felt, leather etc. (materials that normally yield under fingernail pressure, such as the heel on your shoe)



Item PHT-960



Surface Roughness Testers Profilometer with External Stylus, NIST Traceable

NIST TRACEABLE

Features:

- The latest in state-of-the-art surface roughness testers profilometer, the SRG-4000 is designed with the shop environment in mind. These surface roughness testers profilometer are distinguished by a high level of accuracy, multiple parameters and simplicity of operation.



Item SRG-4000



Surface Roughness Tester with Bluetooth Data Output

Features:

- The New Phase II SRG-2200 Mini Surface Roughness Tester is a next generation of surface roughness tester developed by the Phase II Metrology Group that features high accuracy, a wide range of application, simple operation and stable performance. It is widely applicable in surface roughness testing all kinds of metals and non-metals.
- Large memory with data output via Bluetooth.
- The 1.14" IPS TFT display shows choice of surface roughness parameter Ra, Rz, Rq and Rt at the touch of a button, combined with the selected cutoff length.

NIST TRACEABLE



Item SRG-2200

**NIST
TRACEABLE**

5 Year
Warranty!

Features:

- The newest addition to our state-of-the-art surface roughness testers /profilometers, the SRG-4600 will instill the highest level of confidence in your production, shop floor or QC lab. These surface roughness testers/profilometers are distinguished by a high level of accuracy, multiple parameters and simplicity of operation. Extremely sensitive and highly accurate readings from this Phase II surface roughness tester/profilometer is offered via 9 popular surface roughness scales including Ra, Rq(Rms), Rt, Rz and Rmax.



Item SRG-4600

Accessories for Surface Roughness Gauges

**NIST
TRACEABLE**



Item SRG4600-MP

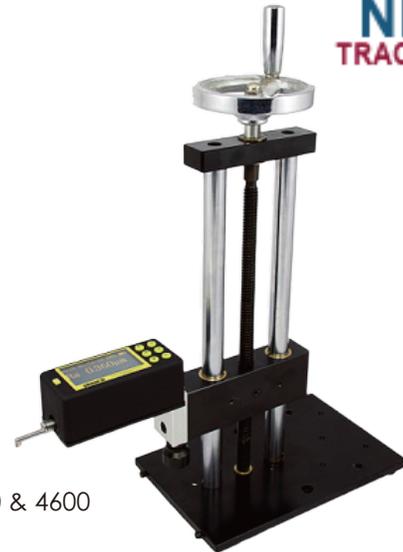
Bluetooth Mini-Printer



Item SRG4000-050

Precision Support Stand

Can be used with either 4000, 4500 & 4600 series surface roughness testers



Item SRG4500-400

Curved Surface Stylus

For use on curved surface with a minimum curvature radius of 3mm. Must be used with support stand shown below



Item SRG4600-100

Standard 5µm Stylus

For use on flat and slightly curved surfaces



Item SRG4500-500

2" Stylus Extension

Adds extra 2" reach for deeper applications



Item SRG4500-200

Deep Groove Stylus

For use on deep grooves with min. width of 3mm and max depth of 10mm. Must be used with support stand shown below



Item SRG4500-300

Small Hole Stylus

For use in small holes under 2mm diameter and max depth of 9mm



Item SRG4500-550

5" Stylus Extension

Adds extra 5" reach for deeper applications



Coating Thickness Gauges PTG-5500 / Paint Thickness Meters

NIST TRACEABLE

5 Year Warranty!

The PHASE II **PTG-5500 coating thickness gauge** can perform two different methods of calculating coating thickness measurement by utilizing the characteristics of both eddy current and magnetic induction.

Coating thickness testing performance is both non-destructive and extremely accurate.

With this state of the art coating thickness gauge, you can easily detect the thickness of nonmagnetic coating on a magnetic substrate (ferrous) or an insulating coating on a non-magnetic conductive substrate (non-ferrous) utilizing our auto-detect probe.

The **PTG-5500** coating thickness gauge can be used in many areas of industry including automotive auctions, manufacturing, general engineering, commercial inspection, etc.



Item **PTG-5500**



Portable Ultrasonic Hardness Tester

NIST TRACEABLE

Features:

- Latest portable hardness tester technology. Utilizes both ultrasonic and dynamic type portable hardness testers in one unit. Can test non-destructive and handle small or thin work parts down to 2mm of thickness, as well as testing large parts. Extremely versatile, with many options and configurations to handle all types of hardness tester applications.



UCI hardness tester w/manual probe

Item	Description	Application Notes
PHT-6001	UCI Portable Hardness Tester w/1kgf Probe	For surfaces with Ra below 125µin
PHT-6002	UCI Portable Hardness Tester w/2kgf Probe	For surfaces with Ra below 200µin
PHT-6005	UCI Portable Hardness Tester w/5kgf Probe	For surfaces with Ra below 400µin
PHT-6010	UCI Portable Hardness Tester w/10kgf Probe	For surfaces with Ra below 600µin
PHT-6011	UCI Portable Hardness Tester w/LONG 1kgf Probe	For Deep Groove surfaces with Ra below 125µin

UCI hardness tester w/motorized probe

Item	Description	Application Notes
PHT-6030	UCI Hardness Tester w/.30kgf Probe	Best for checking coating layer hardness; Finished thin parts
PHT-6080	UCI Hardness Tester w/.80kgf Probe	Best for smooth bearing type surfaces
PHT-6100	UCI Hardness Tester w/1kgf Probe	Best for machined surfaces

phase II⁺ Ultrasonic Thickness Gauge Multi-Function

Features:

- Our most popular ultrasonic thickness gauge is loaded with features such as scan, Min/Max setting and USB Output and includes 5Mhz dual sensor probe, couplant gel, software and rugged carry case.

**NIST
TRACEABLE**



Item **UTG-2800**

phase II⁺ Ultrasonic Thickness w/High Resolution

Features:

- The UTG-2675 ultrasonic thickness gauge is a simple to use, highly accurate, hand-held Ultrasonic Thickness Gauge with the ability to measure ultra-thin materials in super high resolution.

**NIST
TRACEABLE**

Item **UTG-2675**



phase II⁺ Ultrasonic Thickness Gauge with Thru Coating

Features:

- Our new State of the art, Ultrasonic Thickness Gauge is packed with features typically found on high end models only.

**NIST
TRACEABLE**

Item **UTG-2900**



phase II⁺ Ultrasonic Thickness Gauge w/ A & B Scan and Thru Coating Capability

Features:

- Utilizing color waveform A-scan and time based B-scan for absolute correctness, this new state of the art ultrasonic thickness gauge is packed with useful features allowing users to be confident of the displayed values on the most critical of applications. This multi-functional ultrasonic thickness gauge offers everything from basic measurement, Scan mode with Min/Max viewing, GO/NO GO display, Adjustable Sound Velocity and Thru-Coating Capabilities. This dynamic ultrasonic thickness gauge is designed to measure the thickness of metallic and non-metallic materials in critical situations that ordinary thickness gauges couldn't do.

**NIST
TRACEABLE**

Item **UTG-4000**



phase II+ Portable Hardness Tester

Features:

- Loaded with the most popular features for hardness testing including memory and USB output.
- Portable Hardness Tester specializing in testing large hard metal parts.



PHT-1800

Item	Description
PHT-1800	Most Popular Portable Hardness Tester!/Portable Rockwell Hardness Tester/Portable Hardness Test
PHT-1800C	Also available in the version w/Certified Test Block

phase II+ Gear Teeth Portable Hardness Tester/Long Nose Portable Hardness Tester

Features:

- Same features as 1800 but with DL impact device.
- Portable Hardness Tester specializing in testing large hard metal parts in confined spaces.



PHT-1840

Item	Description
PHT-1840	Gear Teeth Portable Hardness Tester/Long Nose Portable Hardness Testers
PHT-1840C	Also available in the version w/Certified Test Block

phase II+ Rugged Portable Hardness Tester

Features:

- The PHT-2100 portable hardness tester can perform tests that easily convert to the most popular hardness scales, including Rockwell, Brinell, Vickers, Shore, etc.
- Our new Rugged all metal frame portable hardness tester is suited for rough environments such as mining facilities, pipeline, bridge and tower inspections, etc and is packed with features typically found on high end models only. This new leeb hardness tester is designed to test the hardness of large hard metal parts. Loaded with useful functions only found on high priced models the PHT - 2100 portable hardness tester is clearly setting a new industry standard by being the most accurate, economically priced rugged hardness tester on the market today. Fast test speeds coupled with memory and output, this hardness tester is a hand's down winner whether you are out in the field or in the QC shop.



Item PHT-2100

phase II+ Portable Hardness Tester with Colour Display, Multi-Function

Features:

- State of the art, digital portable hardness tester is designed to test the hardness of large hard metal parts. Clean crisp display shows the incredible functions that can only be found on this new portable hardness tester such as auto-probe detection, auto direction detector, single and multi-point calibration make the new 1900 the most versatile portable hardness tester in the industry. Blazing fast test speeds coupled with memory and output, this unit is a must have for virtually any work shop.



PHT-1900

Item	Description
PHT-1900	Portable Hardness Tester with color screen/Rockwell Hardness Testers Portable/Leeb Portable Hardness Testers
PHT-1900C	Also available in the version w/Certified Test Block

phase II+ Portable Hardness Tester with Mini Printer

Features:

- Loaded with the most popular features for hardness testing- w/Built-in Thermal Printer and USB output.
- Portable Hardness Tester specializing in testing large hard metal parts.



Item PHT-3500

phase II+ Portable Hardness Tester for Cast/Rough Surface Parts

Features:

- State of the art, digital portable hardness tester is designed to test the hardness of cast, and large hard metal parts with rough surfaces.



Item PHT-1850

phase II+ Mini-Integrated Portable Hardness Tester

Features:

- Advanced integrated portable hardness tester distinguished by its very compact size, high accuracy, wide measuring range and simplicity of operation.



Item PHT-3300

phase II+ NIST Certified Leeb "D" Block

Item PHT130001-CERT



phase II+ Portable Hardness Tester for Cast/Rough Surface Parts with G Impact Device

Features:

- Loaded with features, this economically priced portable hardness tester is capable of measuring the surface hardness of a broad variety of metals on flat and round surfaces.



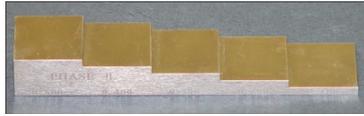
NIST TRACEABLE

Item PHT-1750

phase II⁺ THE SOURCE OF QUALITY **Steel 5-Step Block for Ultrasonic Thickness Gauge**

Features:

- For Ultrasonic Thickness Gauges
- Range: 0.100 to 0.500", 2.50 to 12.50mm
- Accuracy: +/- 0.00025", +/- 0.005mm
- 1018 Steel
- Ship Direct from factory



Item **UTG-0500**

phase II⁺ THE SOURCE OF QUALITY **8 oz. Bottle of Couplant Gel**

Features:

- Water based and water soluble.
- Slow drying with good transducer lubrication.
- Extended ambient temperature range.
- Stable couplant that holds on a vertical and overhead surfaces and fills depressions in rough surfaces.
- MSDS/SDS available by request.



Item **UTG1000-808**

phase II⁺ THE SOURCE OF QUALITY **Rockwell Hardness Tester**

NIST TRACEABLE

Features:

- Works on all standard Rockwell Hardness Scales including HRA, HRBW, HRC, HRE, HRF among many others.
- Direct analog dial reading.
- Advanced design, easy to operate.
- Engineered to obtain highly sensitive and accurate readings.
- Perfect for laboratories, workshops, tool rooms, inspection labs, etc.



Item **900-331**

phase II⁺ THE SOURCE OF QUALITY **Digital Rockwell Hardness Tester / Load Cell Driven Rockwell Hardness Tester**

NIST TRACEABLE

Features:

- Load Cell driven system provides precise control of test force application.
- Automatic conversions to HB, HV, Superficial Rockwell Scales.
- Touch Screen selectable system.
- Upper/Lower Limit Settings.



Item **900-415**

phase II⁺ THE SOURCE OF QUALITY **Twin Rockwell / Superficial Rockwell Hardness Tester**

Features:

- Reads in all Rockwell Hardness Scales and Superficial Rockwell Hardness Scales. These include the popular HRA, HRBW, HRC, HRN and HRT Hardness scales.
- Direct analog dial reading.
- Advanced design, easy to operate.
- Engineered to obtain highly sensitive and accurate readings.
- Perfect for laboratories, workshops, tool rooms, inspection labs, etc.

Item **900-375A**



NIST TRACEABLE

5 Year Warranty!

Features:

- Designed for accurately measuring the hardness of metals and alloys, from hard to soft materials, regardless of shape (flat, round, or irregular).
- Simple, user-friendly design ensures ease of operation while delivering precise and reliable results.
- Ideal for use in schools, laboratories, tool rooms, inspection departments, heat treatment facilities, and factories.
- Conforms to international standards **IS: 3804-1966** and **BS: 891-1962 (Part I & II)** for Rockwell testing.

Standard Accessories:

- 1pc 5-3/4" testing table
- 1pc 2-3/16" testing table.
- 1pc 2-3/16" testing table with "V" grooves
- 1pc 120° diamond indenter
- 1pc 1/16" tungsten carbide alloy ball indenter
- 1pc Rockwell A test block
- 1pc Rockwell B test block
- 3pcs Rockwell C test block
- 2pcs screwdriver
- 1pc complete instruction manual
- 1pc dustproof plastic cover

Loads and Indicators:

Maximum load.....	150Kgf
Load range.....	60, 100, 150Kgf
Initial load range.....	10Kgf
Maximum test height.....	6.69"
Depth of throat.....	5.31"
Maximum depth of spindle below base.....	2"
Size of base.....	9.37" x 17.56"
Machine height.....	24-2/5"
Approximate net weight.....	144lbs.



Item	RT90-0330
Price	\$2348 ⁰⁰ _{pc}

Diamond Indenter for Rockwell Hardness Tester Diamond 120°

Features:

- Rockwell hardness tester diamond 120°
- Cone angle: (a) diamond 120°
- R: 0.2mm
- The shank diameter: 1/4" (6.35mm)
- Total Length: 1.06" (27mm)
- Length includes the steps: 43/64" (17mm), shank: 25/64" (10mm)
- Accurate and precise readings
- Unmatched quality and precise accuracy.
- Provides micro finish and error-free performance.
- High durability for long-term use.
- Compatible with Rockwell C-scale measurements.



Item	0090-2000
Price	\$206 ⁰⁰ _{pc}



0090-1000

Item	Description	Price
0090-1000	1/16" Tungsten Carbide Alloy Ball Indenter	\$98.00/PC

Electronic Edge Finder with Sound Alert 3/4" x 7-1/2" T.I.R within 0.0002"



Features:

- One-piece construction for strength and accuracy.
- Repeatability T.I.R within 0.0002".
- Precision ground on all surfaces.
- Quickly locates work edges.
- Time-saving positioning.
- Tool steel hardened to HRC 60.
- High sensitivity probe for accurate positioning.
- Four highly visible lights.
- Both ends of the probe need to be in contact with a metal piece or a conductive material for the edge finder to light up.

- Shank Dia: 3/4".
- Probe Diameter: 0.394".
- Overall Length: 7-1/2".
- Power supply: 2pcs 1.5v LR1.

Item	0805-3015
Price	\$102 ⁰⁰ _{pc}

Electronic Short Shank Edge Finder with Sound Alert



Features:

- One-piece construction for strength and accuracy.
- Repeatability T.I.R within 0.0002".
- Precision ground on all surfaces.
- Quickly locates work edges.
- Time-saving positioning.
- Highly visible LED lights.
- Power supply: 2pcs 1.5v LR1.

Item	C028-9273
Price	\$76 ⁰⁰ _{pc}

Specification

Ball diameter.....	0.394"
Shank diameter.....	3/4"
Overall length.....	3.937"

Surface Roughness Comparator (Inch / Metric)

Applications:

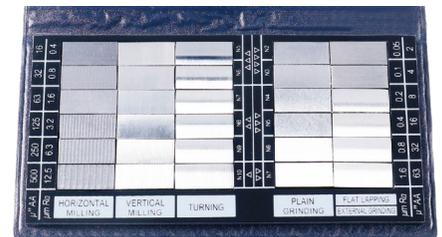
- Quickly determine approximate surface finish quality by direct comparison—either visually or with a magnifying glass.
- Ideal for on-site or in-process checks in a machine shop, inspection lab, or QC environment.

How to Use:

- **Select the finish range** closest to your part's expected roughness.
- **Compare** the sample to the part surface—visually or under magnification—to estimate the part's roughness.
- **Record** approximate Ra values in both μin and μm if needed.

Features:

- **Six key machining methods** covered: turning, horizontal milling, vertical milling, plain grinding, external grinding, and flat lapping.
- **Wide roughness range:** from 2 to 500 μin (0.05 μm to 12.5 μm), making it easy to compare everything from coarse to very fine finishes.
- **Convenient format:** each finish sample is bonded in a compact panel and labeled clearly for quick reference.
- **Protective fitted case** included for easy transport and storage.



Item	3602-0226
Price	\$315 ⁰⁰ _{set}

Specifications:

Turning		Vertical Milling		Horizontal Milling		Plain Grinding		External Grinding		Flat Lapping	
μm	μin	μm	μin	μm	μin	μm	μin	μm	μin	μm	μin
12.5	500	12.5	500	12.5	500	1.6	63	1.6	63		
6.3	250	6.3	250	6.3	250	0.8	32	0.8	32		
3.2	125	3.2	125	3.2	125	0.4	16	0.4	16		
1.6	63	1.6	63	1.6	63	0.2	8	0.2	8		
0.8	32	0.8	32	0.8	32	0.1	4			0.1	4
0.4	16	0.4	16	0.4	16	0.05	2			0.05	2

Features:

- A versatile, cost-effective sharpener for grinding **HSS** and **solid carbide** tools, including end mills, drills, tool bits, and engraving cutters.
- Supports grinding of tools with various shapes, angles, and diameters, offering flexibility for different machining needs.
- Equipped with a fine feed adjustment on the grinding spindle for precise control.
- Compatible with **R8 collets** ranging from 1/16" to 1".

Standard Accessories (1):

- 1pc wheel dresser with diamond
- 5pcs R8 collet 1/2", 1/4", 1/8", 3/8" & 5/16"
- 1pc drive belt
- 1pc lamp
- 1pc tools
- 1pc magnifier (5x)
- 1set operating information

Technical Data:

Max. Collet Capacity.....	Φ1"
Max. Grinding Dia.	Φ 4"
Taper Angle	0° - 180°
Relief Angle.....	0° - 45°
Negative Angle	0° - 26°
Grinding Spindle	5200RPM
Cup Grinding Wheel	4" x 2" x 3/4"
Motor Volt	110V/60Hz
Net Weight.....	45kgs



Item	2301-1007
Price	\$1692 ⁰⁰ set

This price including all standard accessories. Plus all the extra accessories. (CAD 631 Value)

Standard Accessories (2):



Twist Drill Grinding Attachment (1pc)

End Mill Grinding Attachment (1pc)

Lathe Tool Grinding Attachment (1pc)

Technical Note:

- Designed for grinding **HSS carbide engraving cutters, single-lip, and multiple-lip cutters** with specialized shapes, including radius and negative taper angles.
- Features a **universal index head** with 24 positions for achieving precise shape angles.
- Allows full 360° rotation for grinding end mills, twist drills, and lathe tools.
- Simplifies the process by enabling quick attachment changes without complex setups.

Extra Accessories

Item	Description	Price
2301-1007-1	Diamond Grinding Wheel #320	\$91.00/PC
2301-1007-2	Diamond Grinding Wheel #600	\$109.00/PC
2301-1007-3	Regular Grinding Wheel PA80#	\$39.00/PC
2301-1007-4	Belt	\$12.00/PC
2301-1007-5	End Mill Grinding Attachment	\$142.00/PC
2301-1007-6	Lathe Tool Grinding Attachment	\$119.00/PC
2301-1007-7	Twist Drill Grinding Attachment	\$119.00/PC

Features:

- Two mounting brackets are located at each end of the scale.
- Zero setting.
- Half calculating, locating workpiece center.
- Inch/mm conversion and INC/ABS conversion.
- Diameter/radius selection.
- Simple & smooth "R" function.
- Divide the perimeter of circle # (Bolt Circle Drilling).
- Hole drilling along an oblique line.
- Save 200 work piece zero points.
- Angular surface processing.
- Progressive processing of rectangular inner chamber.
- Stops once the target value reaches.
- Cone measure.
- Takes 16 bits & 32 bits CPU technology.
- 200 cutter memory.
- Power failure memory.
- DC10-F series small size encoder.



SDS6-2V

D60 Digital Readout

Features:

- Voltage range: AC 80V-260V/50HZ-60HZ.
- Power consumption: 20VA.
- Coordinate number: 1/2/3.
- Display: 7-bit display with signed.
- Times frequency: 4X.
- Readout box input signal: TTL, ELA-422-A.
- Input frequency: >100KHZ.
- Resolution: 10µm, 5µm, 1µm, 0.5µm, & 0.1µm.
- Operating keyboard: light-touch buttons.
- Linear scale grating space: 0.04mm, 0.02mm, 0.01mm, the power supply is +5V. the difference between two and four TTL output signal is 90°.

Item	Description	Price
SDS6-2V	2-Axis Digital Scale Display	\$352.00/PC

2-axis DRO for Milling Machines (x, y)

GREAT

Includes:

- All mounting hardware.
- 2pcs linear glass scales.
- 1pc standard DRO counter (SDS6-2V).
- Operating manual.
- Mounting arms.

2028-1002



Item	Mill Size	Travel	Overall Length of Scale	Price
2028-1001	8 x 36"	12 x 30"	17 x 35"	\$724.00/SET
2028-1002	9 x 42"	14 x 30"	19 x 35"	\$748.00/SET
2028-1003	9 x 49"	14 x 36"	19 x 40"	\$748.00/SET
2028-1004	10 x 54"	16 x 40"	21 x 45"	\$748.00/SET

Includes:

- All mounting hardware.
- 2pcs linear glass scales (the cross slide scale is the slim style).
- 1pc standard DRO counter (SDS6-2V).
- Operating manual.
- Mounting arms.



2810-2004

Item	Lathe Size	Travel	Overall Length of Scale	Price
2810-2001	12 x 24"	6 x 30"	11 x 35"	\$748.00/SET
2810-2002	12 x 36" / 13 x 40"	8 x 40"	13 x 45"	\$758.00/SET
2810-2003	The same as the #2810-2002			\$758.00/SET
2810-2004	14 x 40" / 16 x 40"	10 x 40"	15 x 45"	\$758.00/SET
2810-2005	The same as the #2810-2004			\$758.00/SET
2810-9486	24 x 60"	14 x 60"	19 x 65"	\$1,188.00/SET

Standard Glass Scale (Bed Length LSE)

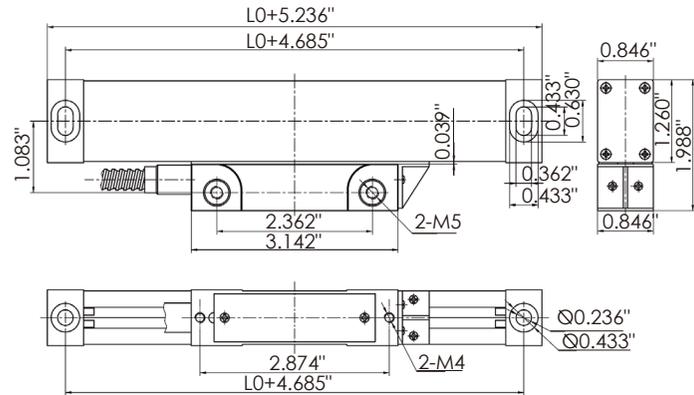


Features:

- Resolution 0.0002"/0.005mm.
- Max. response speeds: 47 in./sec.
- Aluminum outside case with double rubber seals.
- Standard 3m (9.84ft) connection cable.

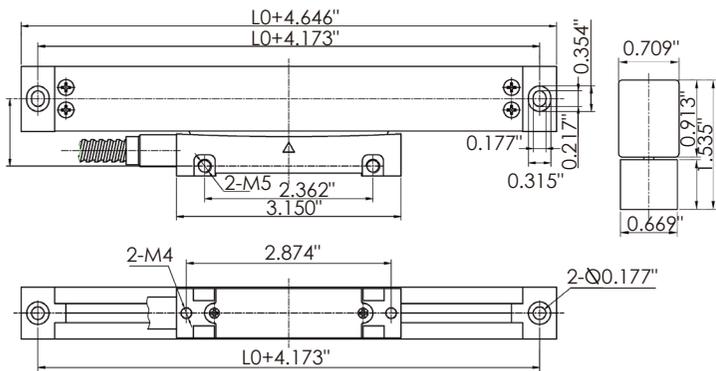


2800-0107



Item	Travel	Ovl.L	Price
2800-0101	12.5"	17"	\$193.00/PC
2800-0102	14.5"	19"	\$193.00/PC
2800-0106	16"	21"	\$204.00/PC
2800-0107	24.4"	29"	\$204.00/PC
2800-0109	30"	35"	\$211.00/PC
2800-0111	36"	40"	\$218.00/PC
2800-0113	40"	45"	\$218.00/PC

Slim Glass Scale (for Lathe Cross Feed)



2802-0204

Item	Travel	Ovl.L	Price
2802-0201	4.5"	9"	\$204.00/PC
2802-0202	6.5"	11"	\$204.00/PC
2802-0203	8.5"	13"	\$211.00/PC
2802-0204	10.5"	15"	\$218.00/PC

GREAT

ISO9001

Features:

- Lightweight aluminum housing with soft grip.
- Safety trigger prevents accidental start.
- The right-angle head provides easy access into tight spaces.
- Also available for 1/4" (6.35mm) collet optional.
- Use it with various of accessories for grinding, edge-breaking, deburring and polishing.
- Rear exhaust.



Item	AT07-0348
Price	\$64⁰⁰_{pc}

Miniature Precision Air Die Grinder

ISO9001

Features:

- Ideal for precision polishing, grinding, deburring, etc.
- Range: 1/8".
- Free speed: 54,000 RPM.
- Air hose (ID): 3/8".
- Working pressure: 90 PSI.
- Diameter: 0.6".
- Length: 5.2".
- Weight: 0.44lbs.

Item	AT00-3170
Price	\$40⁰⁰_{pc}



3" Air Cut Off Tool

ISO9001

Features:

- Range: 3".
- Free speed: 20,000 RPM.
- Air hose (ID): 3/8".
- Air inlet: 1/4" NPT.
- Weight: 1.70lbs.
- Working pressure: 90 PSI.
- Average air consumption: 4.5 CFM.
- Uses 3" cut-off wheels.

Item	AT02-2439
Price	\$52⁰⁰_{pc}



1/4" Mini Air Die Grinder

ISO9001

Features:

- Range: 1/4".
- Free speed: 25,000 RPM.
- Air hose (ID): 3/8".
- Air inlet: 1/4" NPT.
- Working pressure: 90 PSI.
- Average air consumption: 4.5 CFM.

Item	AT00-7032
Price	\$46⁰⁰_{pc}



1/4" Right Angle Die Grinder

ISO9001

Features:

- Range: 1/4".
- Free speed: 20,000 RPM.
- Weight: 1.20lbs.
- Recommended air pressure: 90 PSI.
- Average air consumption: 5.25 CFM.

Item	AT02-2437
Price	\$57⁰⁰_{pc}



3D Tester Analog SAVEplus Inch with Shank 1/2"



4920-1263

\$559⁰⁰
pc

CAT40 / CAT50 High Precision Hydraulic Chuck



8040-0034

\$348⁰⁰
pc

3-flute H.S.S. Countersink Set

Available in 60°, 82°, and 90°



0206-3082

\$138⁰⁰
set

Precision Keyless Drill Chuck, Heavy-duty with Integrated Shank, Titanium Jaws



0537-1208

\$108⁰⁰
pc

8" Professional Master Precision Level



S908-C608

\$183⁰⁰
pc

Premium Steel Combination Square Set



0000-8101

\$128⁰⁰
set

Ball Bearing ER Collet Chuck Nut Balanced to 18,000 RPM at G2.5



0537-4000

\$35⁰⁰
pc

ER32 Precision Indexing and Grinding Spin Jig, with Wrench



0225-0206

\$186⁰⁰
pc

Precision Screwless Vise



0536-VB30

\$150⁰⁰
pc

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