



GOODSON

Tools and Supplies for Engine Builders

2021

www.goodson.com • 1-800-533-8010

From The President's Desk

The year 2020 has been an incredibly challenging one for many, however, as we flip the page to 2021 there is one thing we at

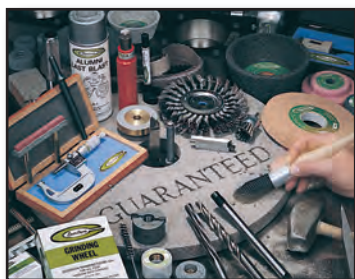
Goodson know for sure, our customers are essential! Goodson is truly honored to service your engine rebuilding needs. We are continually driven to find the best tools and supplies for your needs at the best price. We sincerely appreciate your feedback throughout the year, good and bad, as it allows us to continually improve our service to you. When you succeed, we succeed!

We have completed our seventy-fifth year in business and yet in a way we feel like a brand new company! Goodson recently became a 100% employee owned company! When you call or email someone at Goodson, that person you are speaking with has a vested, personal interest in providing you with the best customer service in the industry.

Thank-you for placing your trust in Goodson as your supplier!



*Roger Schumacher,
Goodson President*



GOODSON Ironclad Guarantee

Goodson won't risk losing your business for any reason. If you're not 100% satisfied with your purchase, we'll fix it, ex-

change it or credit your account for the purchase price. To send an item back, just include a note detailing the reason for the return and ship it back, freight pre-paid within 60 days. The only time we can't honor this guarantee is if a tool has been damaged through misuse or modification. All abrasives have a shelf life so we can only guarantee them for one year from the original purchase date.

At Goodson we promise

- Top notch customer service
- Same-day shipping
- Iron-Clad Guarantee
- Goodson Techxperts at your service
- In-house crankshaft and camshaft grinding wheel shaping and sizing
- In-house abrasive belt manufacturing
- Full Service ... *Fast!*

Do You Have An Idea For The Next Great Product?

Many of the ideas for our most successful new products come directly from you, the guys in the shop. You work in this industry and have come up with pretty creative solutions to everyday problems. A great case in point is the Bucket Lifter Grinder you'll find a couple of pages over.

Give me, Dave Monyhan, a call to learn more about how you can have Goodson produce and market your new product idea. Just think, yours could be the next great idea Goodson brings to the market.



*David P. Monyhan,
Goodson Sales Manager*

Contact Us

Goodson offices are open from 8:00am to 5:00pm, Monday through Friday (Central time).

Phone: 1-800-533-8010 (US & Canada)
1-507-452-1830 (International)

Fax: 1-888-466-3909 (US & Canada)
1-507-452-2907 (International)

Please note that the Goodson offices will be closed in observance of the following 2021 holidays: New Year's Day (January 1), Memorial Day (May 24), Independence Day (July 2), Labor Day (September 6), Thanksgiving (November 25 & 26), Christmas (December 24 & 25) and New Year's Eve (December 31).

We're always open on the web!

Web: www.goodson.com

Email: orderdesk@goodson.com

employee owned

Goodson Tools & Supplies Is Now 100% Employee Owned

Effective January 1, 2020 Goodson Tools & Supplies for Engine Builders became EMPLOYEE OWNED. Former owner, Scott Biesanz retired after 40 plus years and sold the company to the employees to ensure it remains a vital part of the automotive aftermarket.



Mach-B Grinding Wheel Shaping & Resizing

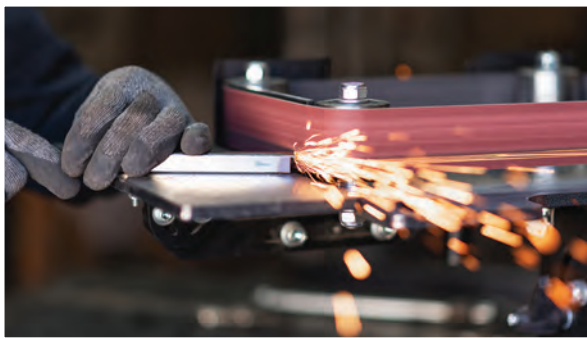
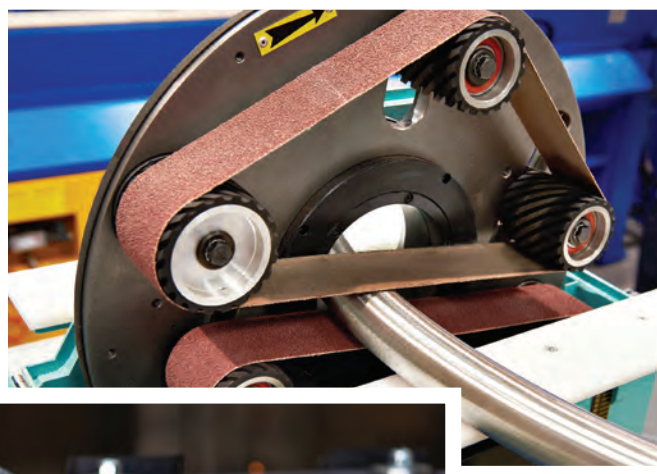
From routine grinding wheel shaping and sizing to emergency work, ***Mach-B Can Do That!***

Mach-B Grinding Wheel Shaping & Resizing specializes in:

- Custom Grinding Wheel Shaping
- Custom Grinding Wheel Sizing
- Reducing Outside Diameters
- Increasing Inside Diameters
- ANSI Compliant Speed Testing
- Static Balance Testing
- Standard and Custom Profiles
- Grinding Wheel Slotting



Turn to Mach-B and Goodson for Fast Turnaround.
Visit www.mach-b.com for more information.



Custom Abrasive Belts

- Any Length • Any Width
- Any Grit • Any Grain

Abrasive Industrial Supplies Has You Covered!

Abrasive Industrial Supplies (AIS) is a division of Goodson specializing in stock and custom grinding, sanding and polishing belts. We make everything in-house and can make whatever size belt you need.

Choose from a variety of abrasives in several grits and backings for a wide range of applications.

You can order directly from AIS by calling 1-800-433-8010 or visiting the website; www.abrasiveindustrialsupplies.com
OR talk to your Goodson customer service rep.

Now that's ONE STOP SHOPPING!



Abrasive Industrial Supplies
A Division of Goodson



RAPIDEX

A rapid-use index of product categories

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Policies

See the last page of the Index for more information about these policies.

Pricing:

Prices are subject to change without notice. There is no minimum order. Orders are billed at the prices in effect at the time of shipping. Discounts are not available on Sunnen® products.

Shipping:

Goodson typically ships orders the same day they are received. Orders received after hours, on weekends or holidays are shipped the next business day. If your order is lost in shipping, Goodson works with the shipper to provide tracking service. Please inspect all shipments upon receipt and report damage or errors within 48 hours.

Freight:

For orders shipped ground within the USA, you may deduct the freight charges on any **JOBBER** net invoice of \$800 or more if you pay within 30 days of the invoice date. Glass Beads, Steel Shot, Tumbler Media, Machines, Equipment, Bulk Liquids and Crankwheels are not included. Hazardous Materials, Dangerous Goods & Dimensional Shipping fees may apply on some items.

Terms:

- 1) A 1% discount is given on merchandise if payment is made within 15 days from **invoice** date. This discount applies only to the merchandise amount (not the total amount) on the **invoice** (not a statement). The discount amount is shown in the lower left hand corner of the invoice. This discount does not apply to statement payments and does not apply to credit card orders.
- 2) Invoices not paid in full within 30 days from the statement date are subject to a finance charge of 1.5% per month (18% per year).

Credit & Debit Card Orders:

Goodson accepts MasterCard, Visa, American Express and Discover Card. For your security, credit card numbers are **NOT** kept on file. Credit card orders do not qualify for the 1% quick-pay discount.

Check Acceptance:

In the unlikely event that your check is returned for insufficient or held funds, we will debit your checking account electronically for the face amount of the check plus the service fee allowed by your state's law. This allows us to resolve the problem without turning you over to a collection agency and harming your credit rating. The transaction will appear on your bank statement and no one will have to contact you about payment.

Returns:

You may return any item, except special orders, within 60 days. We will do our best to correct any problems or to send a replacement. If an item was damaged through mis-use or modification, Goodson will not accept it as a return. Credits will only be issued after it is determined that the part is resellable or it is deemed defective.

Some Hazardous Materials are Non-returnable due to shipping regulations. See our policies on the last page of the index for more details or call us toll-free at 1-800-533-8010.

ABRASIVES WARRANTY: Abrasives have a shelf life, therefore, all abrasives are warranted against manufacturing defects for 1 year from the date of original purchase.

RESETTING/RESHARPENING SERVICE: Premium Diamonds can be reset and many of our cutting tools can be resharpened. Send your resets and sharps to GOODSON Tools & Supplies, ATTN: Resharps, 156 Galewski Dr. Winona, MN 55987. Be sure to include your customer number.

"I have been "hands on" in the automotive machining industry for over 40 years and have been an owner for 25 years. Goodson Tools and Supplies has always been the "go to" for any shop needs, so naturally when the patented time saving BLG-1000 was developed, Goodson was the absolute best choice to market it."

— Jeff Bright,
President Tachyon Automotive Inc.



Air Powered Grinder
uses standard shop air

DESIGNED BY AN ENGINE BUILDER FOR ENGINE BUILDERS!

Bucket Lifter Grinder Assembly with FREE Grinder

- Machine just the bucket lifter!
- Fast and accurate
- Save time — measure once, then remove the material from inside the Bucket Lifter instead of machining the stem height and finding the right VAD thickness or grinding the seat to meet your specs
- Micrometer feed shows how much material is being removed
- Confirm with dial indicator and bridge (included)
- Use right at your assembly station
- Works with most Bucket Style Lifters, including those with VADs
- Complete Assembly includes Air Driver, CBN Cutter, Micrometer Feed Body, Dial Indicator and Indicator Base
- **US Patent Number US 10456887**

Description		Order No.
Complete Bucket Lifter Grinder Assembly	\$799.99	BLG-1000
Replacement CBN Cutter	79.99	BLG-1001

CBN Cutter makes
quick work of
virtually any
bucket lifter

Micrometer Feed shows
how much material you are
removing



Use the Dial
Indicator and Base
to measure the
valve contact point.
Once determined,
remove necessary
material to set lash.



**Can't find an OE pilot?
It's time to convert!**

3-D Fast Cut™ Ball Head for Sunnen Tool Holders

- Exclusively from Goodson
- Fits .375" Top pilots, giving you easy access to a wide range of pilot sizes
- Tool Holder channel measures .552" to fit your Sunnen tip holders
- Same precision and high quality you expect from Goodson
- 3.346" long x 1.000" diameter
- Order No. **3D-BH-SUN375**
- Jobber \$329.99

Water Based Diamond Honing Coolant

- Suitable for diamond honing on cast iron blocks
- 5 gallons (18.93L) makes up to 55 gallons of coolant
- Mix ratio: 10:1
- Order No. **DHC-50** Jobber \$279.99



CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
CRANKSHAFT/
FLYWHEEL GRINDING
MISCELLANEOUS
TOOLS & SUPPLIES
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS



Goodson New Generation Valve Seat Stone Holders

- Stone holders are designed to Goodson's exacting standards • High quality bearings for better operation and longer life • Cannot be rebuilt

Description	Thread	Jobber	Order No.
.375" Top Spline Drive Stone Holder	11/16" x 16	\$199.99	SX-375
.385" Top Spline Drive Stone Holder	11/16" x 16	179.99	SX-HOLDER
.389" Top Spline Drive Stone Holder	11/16" x 16	199.99	SUN-HOLDER
.375" Top Hex Drive Stone Holder	13/16" x 13	199.99	KW-375E
.389" Top Hex Drive Stone Holder	13/16" x 13	199.99	KW-389
.437" Top Hex Drive Stone Holder	13/16" x 13	199.99	KW-437

More Valve Seat Stone Holders on Page 20

Adjustable Counterbore Cutter Kit

- Assemblies feature positive stop adjusting screws to prevent cutters from changing dimensions when in use
- Direct reading micrometer and dial indicator for fast, accurate set-up • Heavy duty billet steel construction
- Kit substitutions are available, call to inquire

Complete Kit	Jobber	Order No.	Incl.
% " / 14.3mm Arbor	\$1849.99	DWA-300	▼
Cutter Assemblies (in/mm)			
% " Arbor 1.250"-1.375" / 31.8-34.9	\$439.99	DWA-250	x
1.375"-1.500" / 34.9-38.1	439.99	DWA-375	x
1.500"-1.750" / 38.1-44.5	439.99	DWA-302	x
1.750"-2.000" / 44.5-50.8	439.99	DWA-303	x
2.000"-2.250" / 50.8-57.2	439.99	DWA-304	
2.250"-2.500" / 57.2-63.5	439.99	DWA-305	
2.500"-2.750" / 63.5-69.9	439.99	DWA-306	
Cutting Insert	39.99	DKB-7	x
Insert Screw	13.99	DKS-7	x
Wrench	11.29	FT-WRENCH	x
Wear Sleeves (see note below)			
For .375" Top Pilot	78.99	DCW-375	
For .385" Top Pilot	78.99	DCW-385	

To use the Counterbore Cutter Kit with Kwik-Way & Peterson Machines you will need to adapt the %" cutter to fit the %" drive. Use a DCW wear sleeve.



CSS ULTRA Crankshaft Grinding Wheels

- New wheel formulation from Tyrolit combines high-quality components and innovative bonding technology
- Minimizes heat generation and the forces imposed on the workpiece
- Grit mixture of white and sintered aluminum oxide

LONG LIFETIME

CSS ULTRA provides long lifetime and good profile retention. Due to the high strength bond system the abrasive grain can withstand much greater loads during use without premature breakdown.

COOL GRINDING

No burning. The high strength bond system allows for less bond content which decreases friction for a cooler grind.

HIGH PRODUCTIVITY

Stock removal rates with CSS ULTRA can be increased without sacrificing quality.



Application Example	Components
Automotive Industry: Crankshaft - grinding bearing journal	crankshaft
CSS ULTRA 1KN 1065x40x305 CS33A54IKK6VB1 50	camshaft
Increase in lifetime of 50%	gear shaft
	CV joint

CSS ULTRA	150%
STANDARD	100%

CSS ULTRA 8" Arbor Crankshaft Grinding Wheels

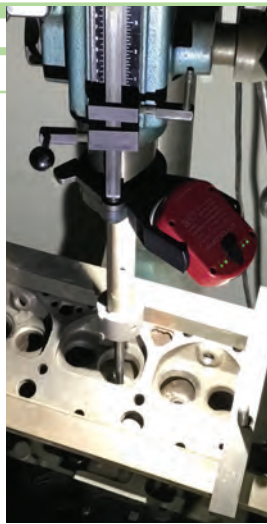
Face Width	26" Diameter	28" Diameter
3/4" - 1"	\$579.99	\$634.99
1 1/64" - 1 1/4"	634.99	709.99
1 11/64" - 1 1/2"	659.99	744.99
1 33/64" - 1 3/4"	744.99	834.99
1 49/64" - 2"	754.99	849.99
2 1/64" - 2 1/4"	859.99	974.99

Need a different size? Call Goodson today.

Buying Better & Passing The Savings On To You!

Maxxeon® WorkStar® 810 CYCLOPS Rechargeable LED Work Light

- Puts the light right where you need it • Drop tested to 6'
- Li-ion battery with USB charger
- 3 light settings
- Magnetic base attaches the light to your machine
- Order No. **DFL-810** Jobber \$31.99



Maxxeon® WorkStar® 630 Rechargeable LED Head Lamp

- Li-ion rechargeable battery with USB charger • 3 settings – High: 700 Lumens, Medium: 400 Lumens, Low: 150 Lumens
- Zoom lens lets you focus light where you need it
- Run time – High: 2 hrs., Medium: 4.5 hrs., Low: 8 hrs.
- Drop tested to 6 feet • Water resistant
- Includes 2 Li-ion batteries, extension cable, hardhat clips, 100-240 VAC, 50/60 Hz power supply with USB port
- Order No. **DFL-621** Jobber \$54.99



Maxxeon® WorkStar® 360 Rechargeable LED Pen/Inspection Light

- No batteries to replace! Includes Micro USB charger
- 3X zoom provides 160 Lumens on low
- 1X zoom provides 260 Lumens on high
- 40 minute continuous or 2-hour intermittent operation
- Dust-tight, waterproof to 3 feet
- Drop tested to 6 feet
- Order No. **DFL-360** Jobber \$31.99



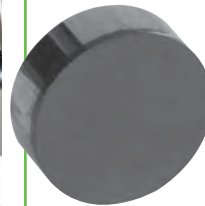
Maxxeon® WorkStar® 364 USB Rechargeable UV Leak Detection Pen/Inspection Light

- 3.7V 570mAh, 2.1 Wh Lithium battery with USB charger
- Run time: 35 min. continuous, 2 hr. intermittent operation
- Use with Goodson Glow for crack detection
- Easily adjustable beam to suit application
- Drop tested to 6 feet
- Order No. **DFL-364** Jobber \$39.99

Iron-Clad Guarantee

PCD Inserts for Aluminum

- A must for shops committed to meeting today's strict surface finish requirements
- Fits machines with $\frac{3}{8}$ " and $\frac{1}{2}$ " CBN holder
- $\frac{1}{2}$ " diameter inserts require shim (included)
- Use with Resurfacing Spray (**HPS-16**) for best results



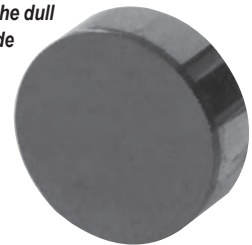
Cut using the dull
finished side

Diameter	Thickness	Sided		Order No.
$\frac{3}{8}$ " (9.53mm)	$\frac{1}{8}$ "	Single	\$ 84.99	GPCD-375
$\frac{1}{2}$ " (12.7mm)	$\frac{1}{8}$ "	Single	89.99	GPCD-500
High Performance Resurfacing Spray			13.99	HPS-16*

*Hazardous Goods Fees Apply When Shipping Aerosols by Air

Uncoated Single Sided CBN Cutter Inserts For Cast Iron

- Faster and cleaner than segments and wheels



Cut using the dull
finished side

Diameter	Thickness	Sided		Order No.
$\frac{3}{8}$ " (9.53mm)	$\frac{1}{8}$ "	Single	\$124.99	GCBN-375
$\frac{1}{2}$ " (12.7mm)	$\frac{1}{8}$ "	Single	134.99	GCBN-500
$\frac{1}{16}$ " Thick Carbide Shim*			22.99	CBN-500SHIM

*Shim required on DCM machine

CBN Super Abrasive For Cast Iron Diesel Heads

- Designed for cast diesel heads with hardened pre-cups • Won't chip
- Fits all overhead surfacers with $\frac{1}{2}$ " diameter insert capacity
- Will **NOT** work on standard cast heads

Cut using the dull
finished side



Diameter	Thickness	Sided		Order No.
$\frac{3}{8}$ " (9.53mm)	$\frac{1}{8}$ "	Single	\$129.99	GCBN-D375
$\frac{1}{2}$ " (12.7mm)	$\frac{1}{8}$ "	Single	139.99	GCBN-D500
$\frac{1}{16}$ " Thick Carbide Shim			22.99	CBN-500SHIM

*NOTE: A $\frac{1}{16}$ " thick carbide shim must be used on DCM machines



Mr. Race Oil® Engine Assembly Gel

- For all 4-stroke engines!
- An advanced engine assembly gel designed to stay in place for engine protection during storage, shipping and start-up time
- Petroleum based, oil soluble product
- Colored blue so you can see where it's applied
- 8 ounce jar • Order No. **EAG-8** Jobber \$35.99



CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
CRANKSHAFT/
FLYWHEEL GRINDING
MISCELLANEOUS
TOOLS & SUPPLIES
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS

... another
satisfied
customer



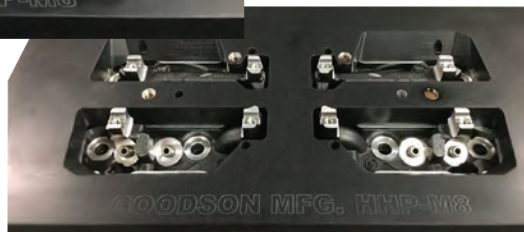
"We did some testing for our friends at Goodson Tool & Supplies on the M8 head holder for seat and guide machines. This thing is pretty badass!"

- Jim Robinson, Head Hoggers, Hanceville, AL, Goodson customer since 1992



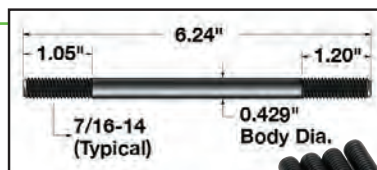
Left: Easily mount two Milwaukee-Eight™ heads for machining

Below: View of the underside of the plate with heads mounted



Milwaukee-Eight™ Double Head Plate

- Easily mount and machine two Milwaukee-Eight™ cylinder heads at the same time
- The unique design perfectly aligns the centerline of valve guides providing repeatable accuracy from head to head speeding up your machine work
- Heavy enough for cutting and installing guides and seats
- Use with your guide and seat machine, Bridgeport-type mill or CNC
- Measures 12" x 26" x 1 1/4" thick • Blackened Aluminum construction
- Order No. **HHP-M8** Jobber \$799.99



Milwaukee-Eight™ Beehive Spring Kits

- Includes 8 progressively wound ovate wire Beehive Springs, 8 Retainers, 8 Tophat Seals and 8 Spring Bases

Max Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	MSRP	Jobber	Order No.
Titanium Retainers							
.625"	1.500"	85 lbs.	280 lbs.	.625"	\$416.13	\$286.98	20-21800
Heat Treated Steel Retainers							
.625"	1.500"	85 lbs.	280 lbs.	.625"	416.13	286.98	20-21850

Milwaukee-Eight™ High-Temp Steel Cylinder Studs

- Heat treated 180,000 PSI aircraft alloy steel • Centerless ground to remove material imperfections • Rolled threads
- Black oxide treated for enhanced corrosion resistance • Compatible with factory nuts • Reusable
- Order No. **20-21040**
MSRP \$166.08 Jobber \$116.14

Evolution™ (04-99), Evo Sportster™ 883cc (96-03) XL™ 1100cc (86-87), Evo Sportster™ 1200cc (88-20), Twin Cam™ 88" (99-04) & Buell™ XB9-XB-12 (03-10)

Lightweight Racing Dual Spring Kits

- Exact match for installation heights and spring pressures
- Retainers designed for optimum rocker cover clearance
- Includes 4 heavy-duty 90° high-temperature steel keepers, 4 springs, 4 retainers and 4 base washers

Max Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	MSRP	Jobber	Order No.
Fit 5/16" Valve Stems High Temperature Steel Retainers and BaseWashers Seals Sold Separately							
.650"	1.860"	185 lbs.	440 lbs.	.650"	\$173.97	\$119.99	20-21650
.675"	1.860"	185 lbs.	450 lbs.	.675"	173.97	119.99	20-21600
Fit 7mm Valve Stems High Temperature Steel Retainers and BaseWashers Seals Included							
.650"	1.860"	185 lbs.	440 lbs.	.650"	\$173.97	\$119.99	20-23500
.675"	1.860"	185 lbs.	450 lbs.	.675"	173.97	119.99	20-23600
Fit 7mm Valve Stems Titanium Retainers and High Temperature Steel BaseWashers Seals Included							
.650"	1.860"	185 lbs.	440 lbs.	.650"	\$373.06	\$257.99	20-23550
.675"	1.860"	185 lbs.	450 lbs.	.675"	373.06	257.99	20-23650

20-21650



20-23650





Aircraft Extended Nose Seat Grinding Motor

- Heavy Duty Electric Motor
- Extended drive unit allows easy access to aircraft engines including Lycoming and Continental
- Spline drive for use with Sioux-Style stone holders
- Available in 110V or 220V models
- 11,500 RPM (free speed) / 6982 RPM under load
- Weighs 12 lbs. • 3/5 HP, 7.5 AMP motor

Description		Order No.
110V Extended Nose Unit	\$1699.99	SGL-SL110
220V Extended Nose Unit	1799.99	SGL-SL220

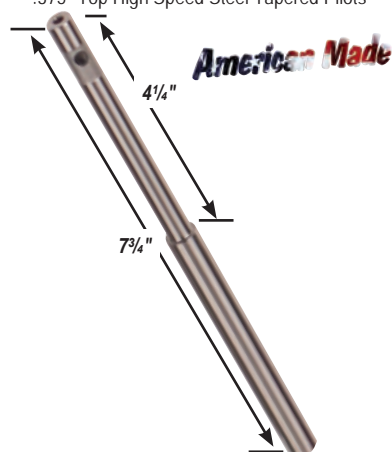
new
design



Aviation Valve Seat Grinding Kits

Spline Drive Seat Grinding Kit includes everything listed below. Everything comes packed in a handy storage case. Kit includes:

Description		Order No.	Includes
110V Aviation Valve Seat Grinding Kit	\$4499.99	AV-110-KIT	▼
220V Aviation Valve Seat Grinding Kit	4499.99	AV-220-KIT	▼
110V Extended Drive Unit	1699.99	SGL-SL110	x
220V Extended Drive Unit	1799.99	SGL-SL220	x
Heavy Duty Valve Seat Wheel Dresser	1229.99	031-1900-02	x x
Includes .375" Top Dressing Stand Pilot	149.99	031-0202-55	
Replacement Dresser Diamond	37.99	G-18	
.375" Sioux-Style Stone Holders	199.99	SX-375	2 2
Heavy Duty Plastic Storage Box	51.99	SG-CASE	x x
Stone Removal Tool	24.99	SX-SRT	x x
Leather Vibration Reducers (3 Pc.)	11.99	SHW-3	x x
Bounce Spring Set	17.99	BSS-100	x x
.375" Bushing Set	8.99	3D-DB7	x x
.375" Top High Speed Steel Tapered Pilots			
	.343" Dia.	92.99	AP-5343
	.344" Dia.	92.99	AP-5344
	.345" Dia.	92.99	AP-5345
	.375" Dia.	92.99	AP-5375 x x
	.376" Dia.	92.99	AP-5376 x x
	.377" Dia.	92.99	AP-5377
	.406" Dia.	92.99	AP-5406
	.407" Dia.	92.99	AP-5407
	.408" Dia.	92.99	AP-5408
	.436" Dia.	92.99	AP-5436
	.437" Dia.	92.99	AP-5437 x x
	.438" Dia.	92.99	AP-5438 x x
	.439" Dia.	92.99	AP-5439 x x
	.498" Dia.	92.99	AP-5498
	.499" Dia.	92.99	AP-5499
	.500" Dia.	92.99	AP-5500 x x
	.501" Dia.	92.99	AP-5501 x x
	.502" Dia.	92.99	AP-5502 x x
General Purpose Valve Seat Stones			
	30° 1-3/4" Dia.	13.99	SX-1430-GP x x
	45° 1-3/4" Dia.	13.99	SX-1445-GP x x
	30° 2-1/2" Dia.	13.99	SX-2030-GP x x
	45° 2-1/2" Dia.	13.99	SX-2045-GP x x
Cool Blue Valve Seat Stones			
	00° 1-3/4" Dia.	13.99	SX-1400-CB x x
	00° 2-1/2" Dia.	13.99	SX-2000-CB x x
Finishing Valve Seat Stones			
	30° 1-3/4" Dia.	12.99	SX-1430-F x x
	45° 1-3/4" Dia.	12.99	SX-1445-F x x
	30° 2-1/2" Dia.	17.99	SX-2030-F x x
	45° 2-1/2" Dia.	17.99	SX-2045-F x x



American Made

.375" Top Pilot Spline Drive Valve Seat Stone Holder

- 1/16 x 16 thread
- Use your Sioux Style stones with your .375" Top Pilots
- Order No. SX-375
- Jobber \$199.99

Extended Reach Valve Seat Run-Out Gauge for .375" Top Pilots

- Hardened guide bushings and contact point
- Quick thumb-screw set-up
- Jeweled bearing indicator reads to ± .050" with .001" precision
- Range: 1.00" to 2.50"
- OAL: 12 1/2"
- Order No. VSG-375-XL
- Jobber \$514.99



American Made

1000 Lb. Pneumatic Valve Spring Compressor

- Lightweight — built of 6061 / 7075 T-6 Aluminum
- 1 1/2" Screw Adjustment — 7" to 8 1/2" Throat
- Certified to 1000 lbs of force
- Two stage air pump develops up to 1000 lbs. of force on as little as 70 psi air supply — Do NOT exceed 120 psi
- Includes 1.600" ID Jaw adaptor, 1.740" ID jaw sold separately

Description	Order No
Spring Compressor with 1.600" ID Jaw	\$999.99 GSC-1000
Replacement Standard Jaw, 1.600" ID	123.99 GSC-3002
Adaptor Jaw, 1.740" ID	123.99 GSC-3003
LS1 Jaw Adaptor (1.740 OD) use with CF-3002	36.99 GSC-3000-LS1
Rebuild Seal Kit (with Intake Button Return Spring)	99.99 GSC-3000SK
Replacement Intake Button Return Spring	9.99 GSC-3004
Intake Trigger Assembly	62.99 GSC-20004A
Exhaust Trigger Assembly	54.99 GSC-20004B
Delrin Pressure Cap	19.99 B-10005C

NOT interchangeable with our
CF-3000B Spring Compressor



A: Adjustable Compression Screw

B: Delrin Cap applied to Adjustable Compression Screw protects your high-end valves

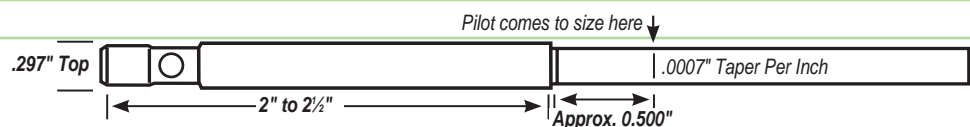
Below:
Easy to adjust throat depth



Includes non-marring screw cap to protect your high-end valves

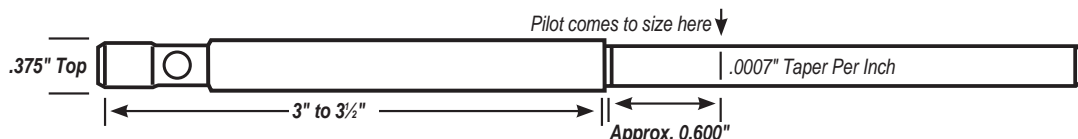
FOR ALL VALVE SPRINGS!

- AUTOMOTIVE
- HIGH PERFORMANCE
- INDUSTRIAL
- MARINE, ETC.



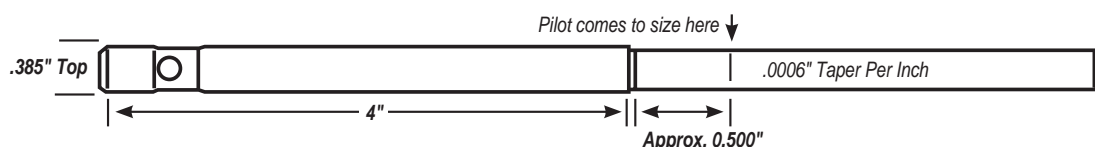
.297" Solid-Tapered High Speed Steel Pilots

Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.
.1496"	3.80	3.375"	P-1149N	.1779"	4.52	4.50"	P-1178N	.2362"	6.00	4.50"	P-1236N	.2500"	6.35	4.50"	P-1250N	.3130"	7.95	4.50"	P-1313N
.1574"	4.00	4.50"	P-1158N	.1968"	5.00	4.50"	P-1197N	.2370"	6.02	4.50"	P-1237N	.2510"	6.37	4.50"	P-1251N	.3427"	8.72	4.50"	P-1343N
.1582"	4.02	4.50"	P-1159N	.1976"	5.02	4.50"	P-1198N	.2381"	6.05	4.50"	P-1238N	.2598"	6.60	5.25"	P-1260N	Jobber			\$25.99
.1771"	4.50	4.50"	P-1177N	.2165"	5.50	4.50"	P-1216N	.2490"	6.32	4.50"	P-1249N	.2810"	7.14	4.50"	P-1281N				
Jobber			\$25.99	Jobber			\$25.99	Jobber			\$25.99	Jobber			\$25.99				



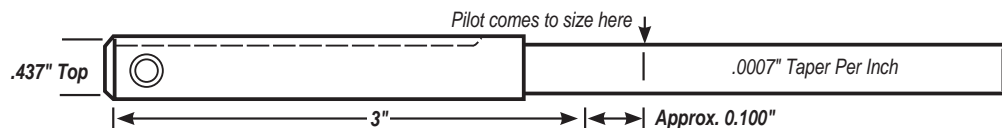
.375" Solid-Tapered High Speed Steel Pilots

Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.
.1771"	4.50	6.00"	P-5177N	.2510"	6.37	6.00"	P-5251N	.3105"	7.88	6.00"	P-5310N	.3457"	8.78	6.50"	P-5345N	.4365"	11.08	7.75"	P-5436N
.1960"	4.98	6.00"	P-5196N	.2559"	6.50	6.00"	P-5256N	.3115"	7.91	6.00"	P-5311N	.3543"	9.00	6.50"	P-5354N	.4375"	11.11	7.75"	P-5437N
.1968"	5.00	6.00"	P-5197N	.2566"	6.52	6.00"	P-5257N	.3125"	7.93	6.00"	P-5312N	.3551"	9.02	6.50"	P-5355N	Jobber			\$35.99
.1976"	5.02	6.00"	P-5198N	.2598"	6.60	6.00"	P-5260N	.3135"	7.96	6.00"	P-5313N	.3587"	9.11	6.50"	P-5358N	Inch	mm	OAL	Order No.
.2165"	5.50	6.00"	P-5216N	.2748"	6.98	6.00"	P-5274N	.3145"	7.98	6.00"	P-5314N	.3730"	9.47	7.00"	P-5373N	.5000"	12.70	7.75"	P-5500N
.2173"	5.52	6.00"	P-5217N	.2756"	7.00	6.00"	P-5275N	.3149"	8.00	6.00"	P-5315N	.3740"	9.49	7.00"	P-5374N	Jobber			\$59.99
.2185"	5.55	6.00"	P-5218N	.2763"	7.02	6.00"	P-5277N	.3165"	8.03	6.00"	P-5316N	.3750"	9.52	7.00"	P-5375N				
.2354"	5.98	6.00"	P-5235N	.2775"	7.05	6.00"	P-5278N	.3407"	8.65	6.50"	P-5340N	.3760"	9.55	7.00"	P-5376N				
.2362"	6.00	6.00"	P-5236N	.2792"	7.09	6.00"	P-5279N	.3417"	8.67	6.50"	P-5341N	.3770"	9.57	7.00"	P-5377N				
.2370"	6.02	6.00"	P-5237N	.2952"	7.50	6.00"	P-5295N	.3427"	8.70	6.50"	P-5342N	.3780"	9.60	7.00"	P-5378N				
.2490"	6.32	6.00"	P-5249N	.2960"	7.52	6.00"	P-5296N	.3437"	8.72	6.50"	P-5343N	.3790"	9.62	7.00"	P-5379N				
.2500"	6.35	6.00"	P-5250N	.3095"	7.86	6.00"	P-5309N	.3447"	8.75	6.50"	P-5344N	.3820"	9.70	7.00"	P-5382N				
Jobber			\$35.99	Jobber			\$35.99	Jobber			\$35.99	Jobber			\$35.99				



.385" Solid-Tapered High Speed Steel Pilots

Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.
.2165"	5.50	7.50"	P-5216S	.2598"	6.60	7.50"	P-5260S	.3125"	7.94	7.50"	P-5312S	.3420"	8.68	7.50"	P-5342S	.3580"	9.09	7.50"	P-5358S
.2173"	5.52	7.50"	P-5217S	.2744"	6.97	7.50"	P-5274S	.3130"	7.95	7.50"	P-5313S	.3430"	8.71	7.50"	P-5343S	.3730"	9.47	7.50"	P-5373S
.2350"	5.97	7.50"	P-5235S	.2755"	7.00	7.50"	P-5275S	.3141"	7.98	7.50"	P-5314S	.3440"	8.73	7.50"	P-5344S	.3740"	9.50	7.50"	P-5374S
.2362"	6.00	7.50"	P-5236S	.2763"	7.02	7.50"	P-5276S	.3149"	8.00	7.50"	P-5315S	.3450"	8.76	7.50"	P-5345S	.3750"	9.53	7.50"	P-5375S
.2370"	6.02	7.50"	P-5237S	.2771"	7.04	7.50"	P-5277S	.3161"	8.03	7.50"	P-5316S	.3543"	9.00	7.50"	P-5354S	.3760"	9.55	7.50"	P-5376S
.2381"	6.05	7.50"	P-5238S	.2779"	7.06	7.50"	P-5278S	.3170"	8.05	7.50"	P-5317S	.3550"	9.02	7.50"	P-5355S	Jobber			\$49.99
.2500"	6.35	7.50"	P-5250S	.3100"	7.87	7.50"	P-5310S	.3410"	8.66	7.50"	P-5341S	.3560"	9.04	7.50"	P-5356S				
Jobber			\$49.99	Jobber			\$49.99	Jobber			\$49.99	Jobber			\$49.99				



.437" Solid-Tapered High Speed Steel Pilots

Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.
.2160"	5.50	6.75"	P-5216K	.2381"	6.05	6.75"	P-5238K	.3115"	7.90	6.75"	P-5311K	.3150"	8.00	6.75"	P-5315K	.3437"	8.73	6.75"	P-5343K
.2185"	5.55	6.75"	P-5218K	.2755"	7.00	6.75"	P-5275K	.3125"	7.94	6.75"	P-5312K	.3157"	8.02	6.75"	P-5316K	.3440"	8.74	8.00"	P-5344K
.2362"	6.00	6.75"	P-5236K	.2760"	7.02	6.75"	P-5276K	.3135"	7.96	6.75"	P-5313K	.3169"	8.05	6.75"	P-5317K	.3457"	8.78	6.75"	P-5345K
.2370"	6.02	6.75"	P-5237K	.2775"	7.05	6.75"	P-5277K	.3145"	7.98	6.75"	P-5314K	.3427"	8.70	6.75"	P-5342K	.3587"	9.09	6.75"	P-5358K
Jobber			\$59.99	Jobber			\$59.99	Jobber			\$59.99	Jobber			\$59.99	.3750"	9.52	6.75"	P-5375K
																Jobber			\$59.99



.375" Top Expanding Pilots

• Expand up to .020" (.51mm) • Includes Collet & Expander

Size	mm	Range	Pilot	Collet	Expander
.216"	5.50	.213"-.233"	P-5.5MMNX	P-216-COLLET	P-1216-EXP
.236"	6.00	.233"-.253"	P-6MMNX	P-6MM-COLLET	P-1236-EXP
.250"	6.35	.247"-.267"	—	P-250-COLLET	P-1250-EXP
.256"	6.50	.253"-.273"	P-6.5MMNX	P-65MM-COLLET	P-6.5MM-EXP
.275"	7.00	.272"-.292"	P-7MMNX	P-7MM-COLLET	P-7MM-EXP
.312"	7.92	.309"-.329"	P-312NX	P-312-COLLET	P-343-EXP
.335"	8.50	.330"-.350"	P-8.5MMNX	P-8.5MM-COLLET	P-343-EXP
.343"	8.70	.340"-.360"	P-343NX	P-343-COLLET	P-343-EXP
.354"	9.00	.350"-.370"	P-9MMNX	P-9MM-COLLET	P-375-EXP
.375"	9.50	.372"-.392"	P-375NX	P-375-COLLET	P-375-EXP
.393"	10.00	.390"-.410"	P-10MMNX	P-10MM-COLLET	P-10MM-EXP
.437"	11.00	.430"-.450"	—	P-11MM-COLLET	P-11MM-EXP
.453"	11.50	.450"-.470"	—	P-11.5MM-COLLET	P-11MM-EXP
.472"	12.00	.469"-.489"	—	P-12MM-COLLET	P-12MM-EXP
Jobber			\$51.99	\$18.99	\$10.99



.375" Extended Length Expanding Pilots

• Expand up to .020" (.51mm) • Includes Collet & Expander
• High Speed Steel

Size	mm	Range	Pilot	Collet	Expander
.3120"	7.92	.309"-.329"	P-312NXL	P-312L-COL	P-343-EXP
.3430"	8.71	.340"-.360"	P-343NXL	P-343L-COL	P-343-EXP
.3750"	9.52	.372"-.392"	P-375NXL	P-375L-COL	P-375-EXP
Jobber			\$56.99	\$18.99	\$10.99



.385" Top Expanding Pilots

• Expand up to .020" (.51mm) • Includes Collet & Expander

Size	mm	Range	Pilot	Collet	Expander
.236"	6.00	.233"-.253"	P-6MMSX	P-6MM-COLLET	P-1236-EXP
.250"	6.35	.247"-.267"	—	P-250-COLLET	P-1250-EXP
.256"	6.50	.253"-.273"	—	P-65MM-COLLET	P-6.5MM-EXP
.275"	7.00	.272"-.292"	P-7MMSX	P-7MM-COLLET	P-7MM-EXP
.281"	7.10	.278"-.298"	—	P-281-COLLET	P-281-EXP
.295"	7.50	.290"-.310"	—	P-281-COLLET	P-281-EXP
.312"	7.92	.309"-.329"	P-312SX	P-312-COLLET	P-343-EXP
.335"	8.50	.330"-.350"	—	P-8.5MM-COLLET	P-343-EXP
.343"	8.70	.340"-.360"	P-343SX	P-343-COLLET	P-343-EXP
.354"	9.00	.350"-.370"	—	P-9MM-COLLET	P-375-EXP
.375"	9.50	.372"-.392"	P-375SX	P-375-COLLET	P-375-EXP
.393"	10.00	.390"-.410"	P-10MMSX	P-10MM-COLLET	P-10MM-EXP
.406"	10.30	.403"-.423"	P-406SX	P-10MM-COLLET	P-10MM-EXP
.437"	11.00	.430"-.450"	P-11MMSX	P-11MM-COLLET	P-11MM-EXP
.453"	11.50	.450"-.470"	P-453SX	P-11.5MM-COLLET	P-11MM-EXP
.472"	12.00	.469"-.489"	P-12MMSX	P-12MM-COLLET	P-12MM-EXP
.500"	12.70	.497"-.517"	P-500SX	P-500-COLLET	P-12MM-EXP
Jobber			\$93.49	\$18.99	\$10.99

.437" Top Expanding Pilots

• Expand up to .020" (.51mm) • Includes Collet & Expander

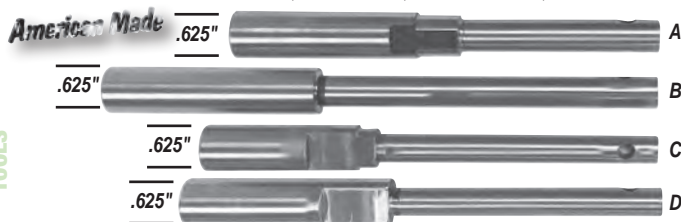
Size	mm	Range	Pilot	Collet	Expander
.236"	6.00	.233"-.253"	P-6MMKX	P-6MM-COLLET	P-1236-EXP
.275"	7.00	.272"-.292"	P-7MMKX	P-7MM-COLLET	P-7MM-EXP
.312"	7.92	.309"-.329"	P-312KX	P-312-COLLET	P-343-EXP
.343"	8.70	.340"-.360"	P-343KX	P-343-COLLET	P-343-EXP
.375"	9.50	.372"-.392"	P-375KX	P-375-COLLET	P-375-EXP
.453"	11.50	.450"-.470"	P-453KX	P-11.5MM-COLLET	P-11MM-EXP
Jobber			\$64.99	\$18.99	\$10.99



.297" Top Expanding Pilots

• Expand up to .020" (.51mm) • Comes with Collet & Expander • High Speed Steel

Size	mm	Range	Pilot	Collet	Expander
.2165"	5.50	.213"-.233"	—	P-216-COLLET	P-1216-EXP
.2362"	6.00	.233"-.253"	—	P-6MM-COLLET	P-1236-EXP
.2500"	6.35	.247"-.267"	—	P-250-COLLET	P-1250-EXP
.2756"	7.00	.275"-.294"	P-1275NX	P-275-COLLET	P-275-EXP
.2810"	7.14	.278"-.298"	P-1281NX	P-281-COLLET	P-1281-EXP
.3120"	7.92	.309"-.329"	P-1312NX	P-312-COLLET	P-1312-EXP
.3149"	8.00	.312"-.332"	—	P-312-COLLET	P-1315-EXP
Jobber			\$51.99	\$18.99	\$10.99



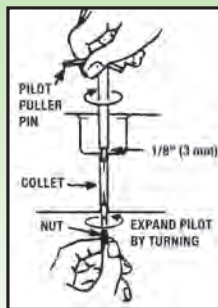
Valve Seat Wheel Dresser Pilots for Universal & Heavy Duty Wheel Dressers

Dresser Pilots (select based on stone holder type) - .625" bottom size

Fits Stone Holder Type	OAL	Jobber	Order No.
A .437" Hex Stone Holder	5 1/4"	\$149.99	031-1102-89
B .437" Hex or Flex Stone Holder	7 1/4"	149.99	031-0202-80
C .385" Top Stone Holder	6"	149.99	031-0202-55
D .375" Top Stone Holder	6 3/4"	149.99	031-0202-47

Setting your expanding pilot

tech tips
from the techxperts™



1 Select an expanding pilot that is the same diameter as the valve guide ID.

2 Insert the pilot into the valve guide making sure that the expanding section of the pilot (collet) is completely within the valve guide. The pilot will not center properly and may be damaged if the collet extends outside of the valve guide.

3 Pilot shoulder should be about 1/8" above the valve guide.

4 Hold the pilot while turning the nut at the opposite end. This will expand the collet and secure the pilot into position.

NOTE: DO NOT use Expanding Pilots with multi-angle valve seat cutting systems (ie: 3-D Fast Cut)

Tapered & Straight Pilots

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

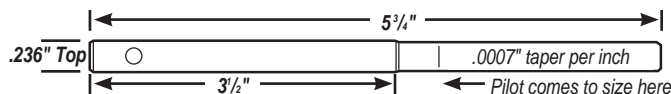
CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



.236" Top Tapered Carbide Pilots

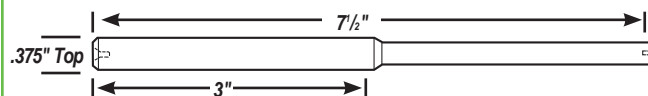
- Less deflection under stress • Due to the brittle nature of carbide we can only warranty carbide pilots for size

Inch	mm	Order No.	Inch	mm	Order No.	Inch	mm	Order No.
.1559"	3.96	PCT-1560M	.1968"	5.00	PCT-1970M	.2560"	6.50	PCT-2560M
.1566"	3.98	PCT-1570M	.1980"	5.03	PCT-1980M	.2570"	6.53	PCT-2570M
.1575"	4.00	PCT-1575M	.2161"	5.49	PCT-2160M	.2578"	6.55	PCT-2580M
.1578"	4.01	PCT-1580M	.2170"	5.52	PCT-2170M	.2598"	6.60	PCT-2600M
.1759"	4.47	PCT-1760M	.2181"	5.54	PCT-2180M	.2759"	7.01	PCT-2760M
.1771"	4.50	PCT-1770M	.2350"	5.97	PCT-2350M	.2763"	7.02	PCT-2765M
.1779"	4.52	PCT-1780M	.2358"	5.99	PCT-2360M	.2771"	7.04	PCT-2770M
Jobber		\$199.99	Jobber		\$199.99	Jobber		\$199.99

tech tips

from the techxperts™

When choosing a pilot, first decide if you need a "live" pilot (one which turns with the tooling) or "dead" pilot (one which remains stationary in the bore). Choose the top size, then the guide bore size.



.375" Top Serdi-Style (Live) Straight Carbide Pilots

- For applications where the pilot must turn with the tooling
- Solid carbide construction
- Due to the brittle nature of carbide, Goodson can only warranty these carbide pilots for size

Inch	mm	Order No.	Inch	mm	Order No.	Inch	mm	Order No.
.1571"	3.99	PCS-399	.2752"	6.99	PCS-699	.3157"	8.02	PCS-802
.1767"	4.49	PCS-449	.2756"	7.00	PCS-700	.3433"	8.72	PCS-872
.1771"	4.50	PCS-450	.2768"	7.03	PCS-703	.3437"	8.73	PCS-873
.1960"	4.98	PCS-498	.2771"	7.04	PCS-704	.3440"	8.74	PCS-874
.1964"	4.99	PCS-499	.3118"	7.92	PCS-792	.3720"	9.45	PCS-945
.1968"	5.00	PCS-500	.3122"	7.93	PCS-793	.3724"	9.46	PCS-946
.2157"	5.48	PCS-548	.3130"	7.95	PCS-795	.3728"	9.47	PCS-947
.2368"	6.01	PCS-601	.3146"	7.99	PCS-799	.3732"	9.48	PCS-948
.2559"	6.50	PCS-650	.3150"	8.00	PCS-800	.3744"	9.51	PCS-951
.2594"	6.59	PCS-659	.3154"	8.01	PCS-801	.3748"	9.52	PCS-952
.2600"	6.61	PCS-661	Jobber		\$199.99	Jobber		\$199.99



.375" Top Tapered Carbide Pilots

Inch	mm	Order No.	Inch	mm	Order No.	Inch	mm	Order No.
.1771"	4.50	PCT-1770	.2370"	6.02	PCT-2370	.3150"	8.00	PCT-3150
.1968"	5.00	PCT-1970	.2756"	7.00	PCT-2756	.3422"	8.70	PCT-3420
.2165"	5.50	PCT-2165	.2759"	7.01	PCT-2760	.3433"	8.72	PCT-3430
.2173"	5.52	PCT-2170	.2763"	7.02	PCT-2765	.3440"	8.73	PCT-3440
.2355"	5.98	PCT-2355	.2771"	7.04	PCT-2770	.3740"	9.50	PCT-3740
.2362"	6.00	PCT-2362	.3122"	7.93	PCT-3120	Jobber		\$199.99
Jobber		\$199.99	Jobber		\$199.99			

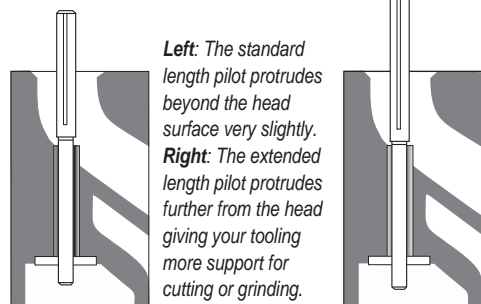
tech tips

from the techxperts™

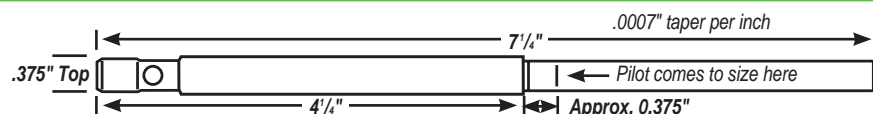
We get asked from time to time why Goodson carries so many sizes and styles of pilots.

Most of us probably think of that in terms of Top and Bottom Size, but there's another dimension that's becoming more important every day. The pilot's top length.

You've probably worked on (or at least seen) heads with deeply set valves. This is especially common in diesel applications. Some of them are set so deeply that a standard pilot just won't cut it. You need a pilot that extends above the deck while still being fully seated in the guide in order to perform top quality seat work.

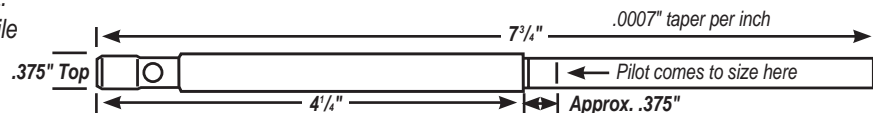


Left: The standard length pilot protrudes beyond the head surface very slightly.
Right: The extended length pilot protrudes further from the head giving your tooling more support for cutting or grinding.



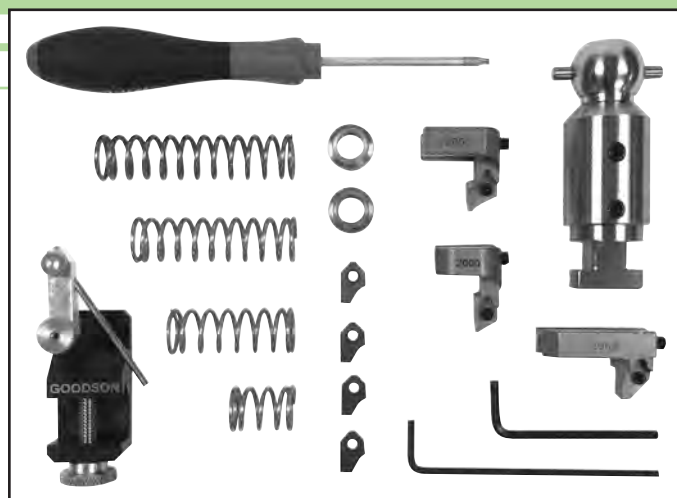
Extended Length (7 1/4") .375" Top Solid-Tapered High Speed Steel Pilots

Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.
.2370"	6.02	7.25"	P-5237NL	.3145"	7.98	7.25"	P-5314NL	.3447"	8.75	7.75"	P-5344NL
.2598"	6.60	7.25"	P-5260NL	.3150"	8.00	7.25"	P-5315NL	.3457"	8.78	7.75"	P-5345NL
.2606"	6.62	7.25"	P-5261NL	.3157"	8.02	7.25"	P-5316NL	.3740"	9.50	7.75"	P-5374NL
.2755"	7.00	7.25"	P-5275NL	.3417"	8.68	7.75"	P-5341NL	.3750"	9.52	7.75"	P-5375NL
.2756"	7.01	7.25"	P-5276NL	.3427"	8.70	7.75"	P-5342NL	.3820"	9.70	7.75"	P-5382NL
.3135"	7.95	7.25"	P-5313NL	.3437"	8.73	7.75"	P-5343NL	Jobber			\$59.99
Jobber			\$59.99	Jobber			\$59.99				



.375" Top Solid-Tapered Extra-Long (7 3/4") High Speed Steel Pilots

Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.	Inch	mm	OAL	Order No.
.343"	8.72	7.75"	AP-5343	.406"	10.31	7.75"	AP-5406	.439"	11.15	7.75"	AP-5439
.344"	8.75	7.75"	AP-5344	.407"	10.34	7.75"	AP-5407	.498"	12.12	7.75"	AP-5498
.345"	8.78	7.75"	AP-5345	.408"	10.36	7.75"	AP-5408	.499"	12.67	7.75"	AP-5499
.375"	9.52	7.75"	AP-5375	.436"	11.07	7.75"	AP-5436	.500"	12.70	7.75"	AP-5500
.376"	9.55	7.75"	AP-5376	.437"	11.10	7.75"	AP-5437	.501"	12.73	7.75"	AP-5501
.377"	9.57	7.75"	AP-5377	.438"	11.12	7.75"	AP-5438	.502"	12.75	7.75"	AP-5502
Jobber			\$92.99	Jobber			\$92.99	Jobber			\$92.99



3-D Fast Cut™ Starter Kits

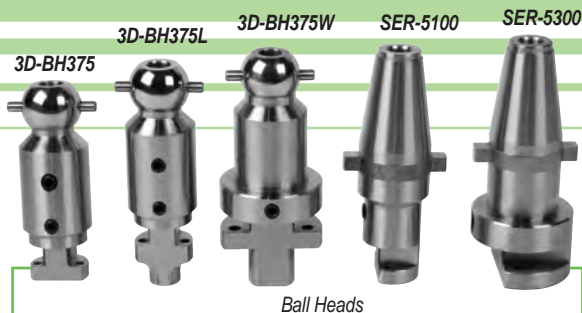
- Can be used with your existing pilots • Ball heads are available to fit most common seat grinder pilots • Choose from over 100 3-angle blade profiles on pages 6-9
- Fully compatible with most popular 3-angle cutting systems including Kwik-Way, Peterson, Rottler, Serdi, Sunnen, T&S, Winona Van Norman, Newen, etc.
- Use between 50 and 100 RPM • Goodson recommends starting at 60 RPM

Description	Fits Pilot	Jobber	Order No.	Includes
Complete Starter Kits	.375" / 9.53mm	\$999.99	3D-375-KIT	
(see page 1 for pilots)	.385" / 9.78mm	999.99	3D-385-KIT	
Ball Head Standard	.375" / 9.53mm	229.99	3D-BH375	x
3.346" long	.385" / 9.78mm	229.99	3D-BH385	x
	.375" / 9.53mm	329.99	3D-BHSUN-375 new	
Ball Head Extended	.375" / 9.53mm	264.99	3D-BH375L	
Length 3.80" long				
Ball Head Wide Body	.375" / 9.53mm	389.99	3D-BH375W	
4.0625" long				
Serdi-Style Tool Bodies	Use with Serdi-style pilots (page 3)			
4" long	Standard .375" / 9.53mm	\$329.99	SER-5100	
	Large Body .375" / 9.53mm	409.99	SER-5300	
Tip Holders	.709" - 1.181" / 18-30mm Range	179.99	3D-2000	x x
	1.02" - 1.653" / 26-42mm Range	179.99	3D-2001	x x
	1.575" - 2.362" / 40-60mm Range	179.99	3D-2002	x x
Tip Holders-Wide Body	1.575" - 2.362" / 40-60mm Range	253.99	3D-2003	
	2.385" - 3.150" / 58-80mm Range	264.99	3D-2004	
Cutters	45°/1.0mm	29.99	FT-45039V1	x x
	45°/1.3mm	29.99	FT-45051V1	x x
more on	45°/1.5mm	29.99	FT-45059V1	x x
pages 6 - 9	45°/1.9mm	29.99	FT-45075V1	x x
Tool Setting Fixture - All Steel Construction		144.99	3D-TSFA	x x
Cutter Blade Mounting Screw		5.99	FT-SCREW	x x
Blade Wrench		11.29	FT-WRENCH	x x
Automotive Spring Set (4 Pc.)		24.99	3D-SS4	x x
Bushing Set (1 pair)	.375"	8.99	3D-DB7	x
	.385"	8.99	3D-DB6	
	.437"	8.99	3D-DB5	
Ball Head	#3 Morse Taper Driver	369.99	3D-CM3	
Drive Adaptors	#4 Morse Taper Driver	369.99	3D-CM4	
	Bridgeport & DCM Driver	314.99	3D-3/4SS	

3-D Fast Cut™ Accessories

Lift Clip for Enhanced Control, especially on Spring Pad Cutters (pg. 10)	\$22.99	3D-CLIP	
Replacement 3.0mm Allen Key	1.99	3D-3.0	x x
Replacement 2.5mm Allen Key	1.99	3D-2.5	x x
Replacement Screws for NWN Ball Head Base (5 Pack) - metric	1.99	MGA-4X5MM	
Replacement Base Screw for Standard Ball Heads M5x6MM	1.99	3D-56	
Replacement Base Screw for Wide Body Ball Heads M6x6MM	1.99	3D-66	
Replacement Side Screw for Standard Ball Heads M6x8MM, Brass Tip	4.99	3D-68	
Replacement Side Screw for Wide Body Ball Heads M6x16MM, Brass Tip	4.99	3D-615	
Adjusting Screw for Tip Holder #3D-2000, OAL: .395" / 10mm	5.99	3D-2000-S	
Adjusting Screw for Tip Holder #3D-2001, OAL: .475" / 12mm	5.99	3D-2001-S	
Adjusting Screw for Tip Holder #3D-2002, OAL: .625" / 15.9mm	5.99	3D-2002-S	

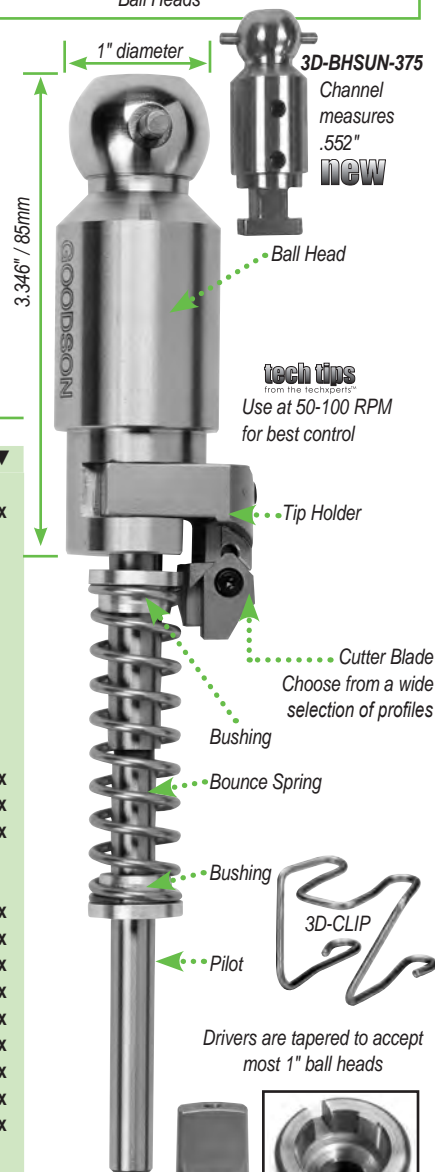
See page 5 for our Valve Seat Removal Tooling for the 3-D Fast Cut™ System



Ball Heads

tech tips

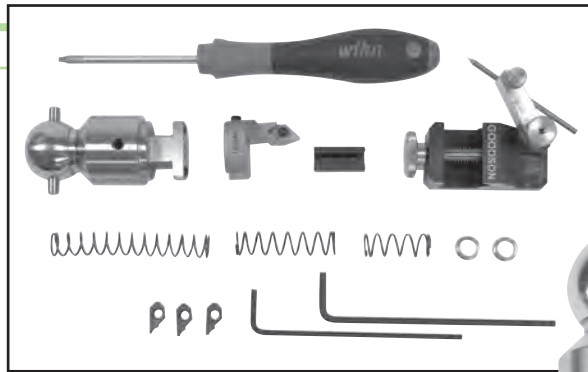
from the techexperts™
Goodson
recommends starting
at 60 RPM, you can
then adjust from there
to achieve desired
results.



Drivers are tapered to accept
most 1" ball heads



Ball Head Drivers



Holders (3DH-1995 & 3DH-1999M) have been modified to provide support to cutters without interfering with the bowl diameter.

Micro Tips FTM-190 and FTM-82R6B-HP only fit Tip Holder 3DH-1995

3-D Fast Cut™ System Micro Ball Head Tooling

- Fits the same 1" ball head driver as the original 3-D Fast Cut tooling
- See page 3 for .236" Top Pilots

Description	Jobber	Order No.	
Micro Ball Head Starter Kit	\$749.99	3D-236-KIT	▼
3D Ball Head for .236"/6mm Pilot (2.56"L)	219.99	3D-BH236	x
Micro Cutter Tips 45°/1.0mm	43.99	FTM-185	x
See pg. 7 45°/1.0mm	43.99	FTM-187	x
for profiles 39°/1.0mm	43.99	FTM-188	x
90° (For counterboring)	43.99	FTM-190	x
82° Radius Cutter	43.99	FTM-82R6B-HP	x
Tip Holders .550"-.984" Range	189.99	3DH-1999M	x
.551"-.850" Range	189.99	3DH-1995	x
Bounce Springs Short 1.050" / 26.7mm	13.49	3D-BS1	x
.340" ID Medium 1.540" / 39.2 mm	13.49	3D-BS3	x
.420" OD Long 2.550" / 64.8 mm	13.49	3D-BS2	x
Bounce Spring Bushing (2)	8.99	3D-BB1	x
Bounce Spring Spacer 22mm long	31.99	3D-BB2	x
3-D Fast Cut™ Accessories			
Replacement 2.5mm Hex Key	\$1.99	3D-2.5	x
Replacement Side Screw M5x8MM	4.99	3D-58	
Replacement Base Screw M5x5MM	1.99	3D-55	
Cutter Blade Mounting Screw	5.99	FT-SCREW	x
Blade Wrench	11.29	FT-WRENCH	x
Tool Setting Fixture	144.99	3D-TSFA	x
Bridgeport / DCM Ball Head Driver	314.99	3D-3/4SS	

Precision Levels & Vials

- Graduated vials with satin-chromed, brass protective covers that rotate to close tightly
- Base castings are seasoned, then precision machined and finished on a bearing surface • Replaceable vials
- Adjustable for precise calibration
- 1 division equals .0005" per inch
- Fits pilots from 6mm to .437"

Description	Jobber	Order No.	Replacement Vial
4" Valve Guide Level (3" vial)	\$269.99	VGL-100	VGL-101
4" Level (3" vial - nominal)	179.99	LEV-4	VGL-101
8" Level (6" vial - nominal)	269.99	LEV-8	LEV-8-1
12" Level (8" vial - nominal)	399.99	LEV-12	LEV-12-1

See goodson.com for level calibration instructions



VGL-100
(use with your pilot or find on page 1)



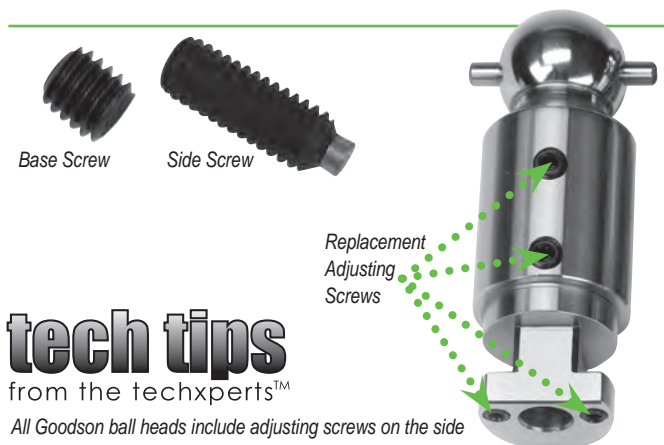
Valve Seat Removal Tooling

- Fits most popular 3-angle cutting tools including our popular 3-D Fast Cut™ System, Kwik-Way, Peterson, Rottler, Serdi, T&S, Winona Van Norman, Newen, etc.
- Use to relieve press fit for easier seat removal
- Requires a minimum of 2 cuts

- Tip Holders include one cutting tip and mounting screw (see chart below) • Replacements sold separately
- Ball Head and Drive Tools sold separately (see page 4)

Description	Replacement Tip	Jobber	Order No.
Tip Holders	3DB-1999i	\$249.99	3D-1999C
	3DB-250	249.99	3D-2000C
	3DB-250	249.99	3D-2001C
	3DB-250	249.99	3D-2002C
Wide Body Tip Holders	3DB-250	339.99	3D-2003C
	3DB-250	339.99	3D-2004C
Replacement Tip		41.99	3DB-1999i
		39.99	3DB-250
Replacement Screw	for 3DB-1999i	14.99	3DB-1999S
	for 3DB-250	12.99	3DS-SCREW

Cutting Range with Pilot Size				
Holder	.236" Top	.375" Top	.385" Top	.437" Top
3D-1999C	0.960"-1.225"	1.095"-1.360"	1.105"-1.360"	1.157"-1.360"
3D-2000C	1.056"-1.480"	1.194"-1.480"	1.206"-1.480"	1.264"-1.480"
3D-2001C	—	1.376"-2.000"	1.386"-2.000"	1.450"-2.000"
3D-2002C	—	1.524"-2.460"	1.544"-2.460"	1.610"-2.460"
3D-2003C	—	1.680"-2.400"	1.680"-2.400"	—
3D-2004C	—	2.280"-3.200"	2.280"-3.200"	—



tech tips

from the techxperts™

All Goodson ball heads include adjusting screws on the side and on the bottom. As with most tiny parts, they wear or get lost from time to time. Use the following chart to find the Replacement Screw and Allen Key Order Numbers. See page 4 for pricing.

Ball Head	Side Screw	Allen Key	Base Screw	Allen Key
BH-375	3D-68	3D-3.0	3D-56	3D-2.5
BH-375L	3D-68	3D-3.0	3D-56	3D-2.5
BH-385	3D-68	3D-3.0	3D-56	3D-2.5
BH-437	3D-68	3D-3.0	3D-56	3D-2.5
BH-375W	3D-615	3D-3.0	3D-66	3D-3.0
3D-BH236	3D-58	3D-2.5	3D-55	3D-2.5

CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
FLYWHEEL, GRINDING
CRANKSHAFT/
TOOLS & SUPPLIES
MISCELLANEOUS
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS

Cutter Key:

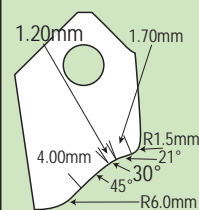


I Intake
E Exhaust
S Specialty

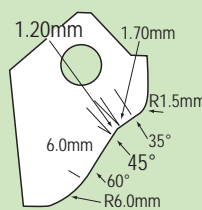
Mondello Signature Series Cutter Blades Add 10 to 20 CFM to Cylinder Heads

Designed to increase airflow by as much as 20 CFM, these cutters are intended for certain applications. Generally you should use intake cutters on intakes and exhaust on exhausts, but as with most things, there's always an exception. Experiment to find the right combination for you and your customers.

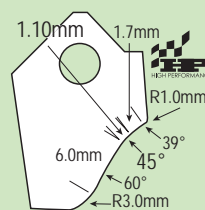
All Cutters This Page Jobber \$39.99 each



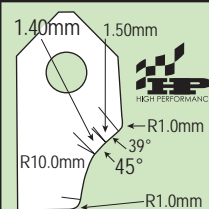
I IFT-30B-HP



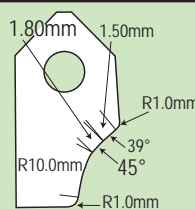
I IFT-4560B-HP



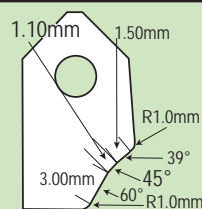
I IFT-4539B-HP



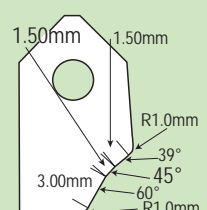
E IFT-4524-HD



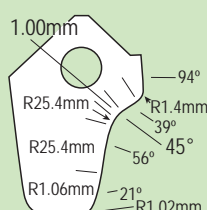
E IFT-4524A-HD



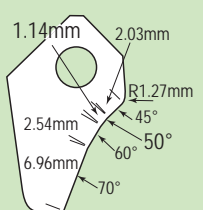
I IFT-4560-HD



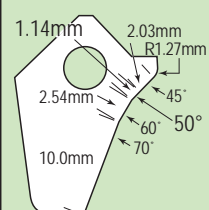
I IFT-4560A-HD



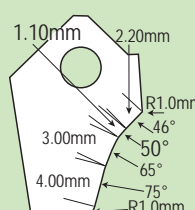
E IFT-4556B-HP



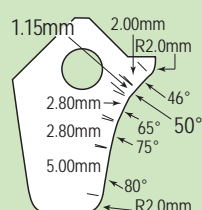
I EFT-5060B-HP



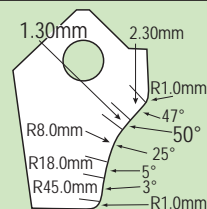
I EFT-5061B-HP



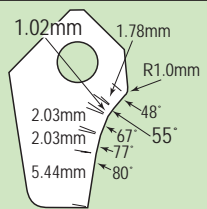
I IFT-5065B-HP



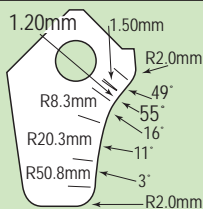
I EFT-5046B-HP



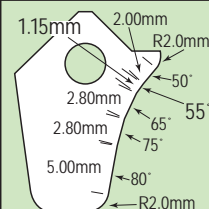
E IFT-5025B-HP



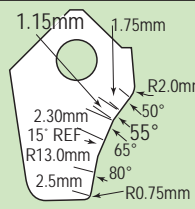
I EFT-5567B-HP



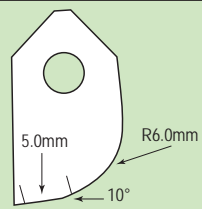
E EFT-5557B-HP



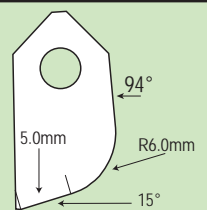
I EFT-5550B-HP



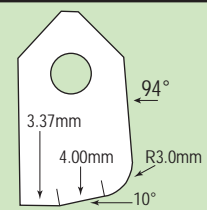
I EFT-5565B-HP



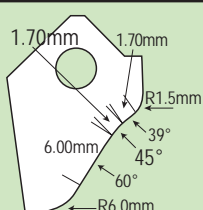
S IFT-1056-HD



S IFT-1556-HD



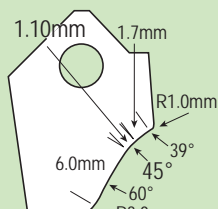
S IFT-1043-HD



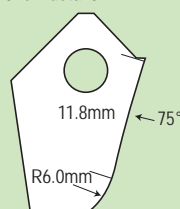
I IFT-45B-HP

Increase Flow & Improve Horsepower With This Set

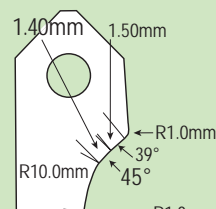
Enlarged to show details



IFT-4539B-HP
Intake



IFT-75R6B-HP
Follow up Intake



IFT-4524-HD
Exhaust

3-Pc. Set High Performance Valve Seat Cutters

- Increase flow & improve horsepower with this set
- Machine your intake seat with IFT-4539B-HP then use cutter IFT-75R6B-HP to machine below the seat and blend into the port
- On exhaust, machine with IFT-4524-HD
- Order No. IFT-HP-SET Jobber \$119.99



Radius Profile Seat Cutter Blades

3-D Fast Cut Tool Holder

- Use when sharpening cutter blades to keep the cutter in the correct position
- Order No. **3D-HOLDER**
Jobber \$39.99



Custom Cutter Blades Are Easy As 1-2-3!

- 1 Download the Goodson Custom Formtool Profile Form from our website (<https://goodson.com/collections/valve-seat-cutter-blades>) or call us to have us send you a copy.
- 2 Complete the form, including a drawing of the cutter you need. Be sure to include all angles, radii, seat widths, etc. Missing information will delay your cutter or result in an incorrect profile.
- 3 Send your completed form to Goodson.
Fax: 888-466-3909 or
E-mail: orderdesk@goodson.com.
We'll get a blueprint made which you will need to approve before we start production.
Custom Cutter Prices start at \$98



Diamond Hand Files

- Choose between 360 & 600 grit
- Use for fine touch-ups on your
Seat Cutter Blades

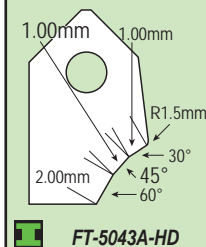
Description	Jobber	Order No.
Diamond File	\$64.99	DFS-2
Set -1-360 grit & 1-600 grit		
600 Grit Files (2-pack)	64.99	DFS-6

Cutter Key:

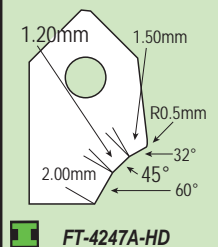
I Intake
E Exhaust
S Specialty

Turn the Page for More Valve Seat Cutter Blades

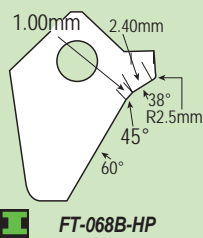
Cutter Blades This Page
Jobber \$39.99
Micro Cutter Blades
Jobber \$43.99



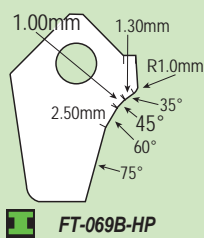
I FT-5043A-HD



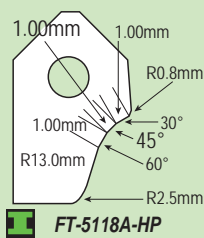
I FT-4247A-HD



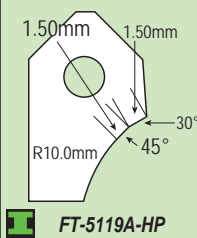
I FT-068B-HP



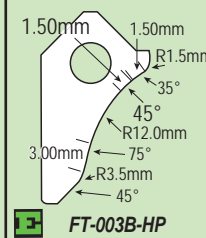
I FT-069B-HP



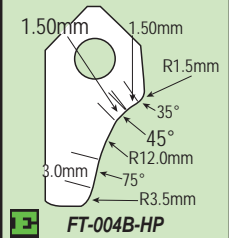
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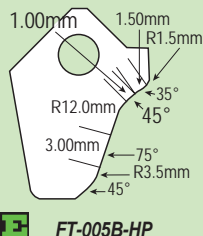
I FT-5119A-HP



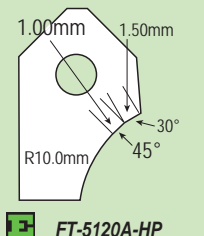
E FT-003B-HP



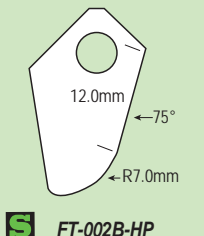
E FT-004B-HP



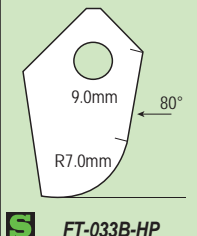
E FT-005B-HP



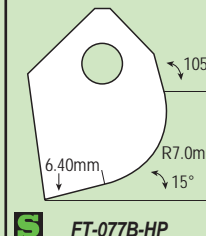
E FT-5120A-HP



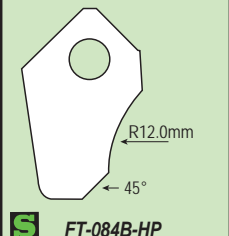
S FT-002B-HP



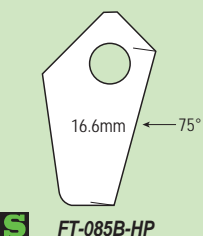
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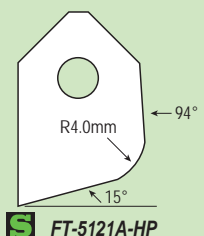
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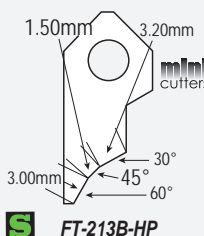
S FT-084B-HP



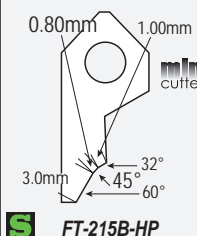
S FT-085B-HP



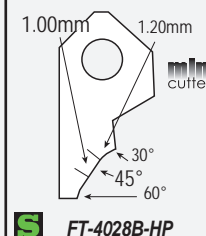
S FT-5121A-HP



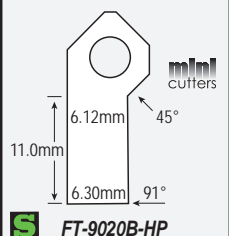
S FT-213B-HP



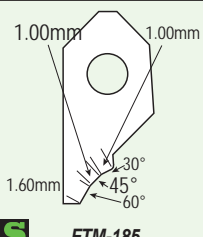
S FT-215B-HP



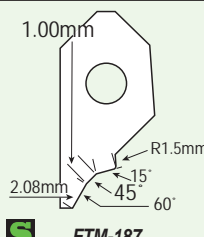
S FT-4028B-HP



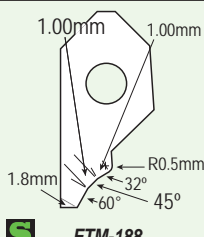
S FT-9020B-HP



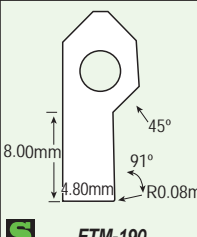
S FTM-185



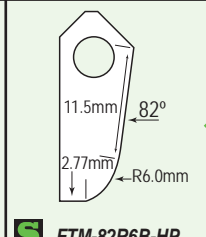
S FTM-187



S FTM-188



S FTM-190



S FTM-82R6B-HP

Micro Blades
Work with holders
on page 5
Jobber \$43.99 ea.

CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
FLYWHEEL, GRINDING
CRANKSHAFT/
MISCELLANEOUS
TOOLS & SUPPLIES
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS

3-D Multi-Angle Seat Cutter Blades

All Valve Seat Cutter Blades This Page Jobber \$29.99 ea.

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

45° Seat Angle Cutter Blades \$29.99 each

30° Seat Angle Cutter Blades \$29.99 each

<p>FT-45039U1</p>	<p>FT-45039U2</p>	<p>FT-45039V1</p>	<p>FT-45039W1</p>	<p>FT-45039W2</p>	<p>FT-45039W3</p>
<p>FT-45051V2</p>	<p>FT-45051V4</p>	<p>FT-45051V1</p>	<p>FT-45051V3</p>	<p>FT-45051X1</p>	<p>FT-45055V1</p>
<p>FT-45059V1</p>	<p>FT-45059V2</p>	<p>FT-45059V3</p>	<p>FT-45059X1</p>	<p>FT-45063U1</p>	<p>FT-45063U2</p>
<p>FT-45063V1</p>	<p>FT-45063V3</p>	<p>FT-45063V2</p>	<p>FT-45063W1</p>	<p>FT-45071V1</p>	<p>FT-45075V2</p>
<p>FT-45075V1</p>	<p>FT-45079U1</p>	<p>FT-45079U2</p>	<p>FT-45079V1</p>	<p>FT-45098U1</p>	<p>FT-45098U2</p>
<p>FT-30039T1</p>	<p>FT-30051S1</p>	<p>FT-30059S1</p>	<p>FT-30059S3</p>	<p>FT-30063S1</p>	<p>FT-30071S1</p>
<p>FT-30075S1</p>	<p>FT-30079S1</p>	<p>FT-30079S2</p>	<p>FT-30098S1</p>	<p>FT-30098S2</p>	<p>resharpening available</p> <p>Have Goodson Resharpen Your Valve Seat Cutter Blades</p>

Single Angle Valve Seat Cutter Blades Jobber \$29.99 ea.

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

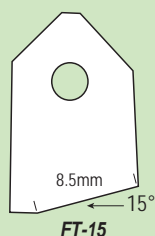
CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

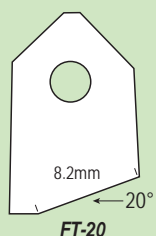
BRAKE SERVICE
TOOLING

MEASURING
TOOLS

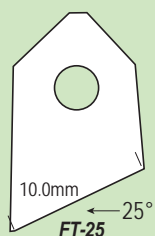
V-TWIN & METRIC
HARD PARTS



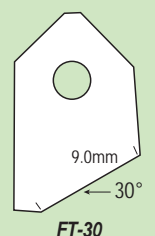
FT-15



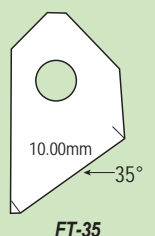
FT-20



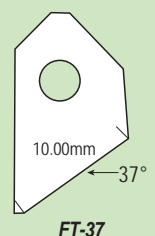
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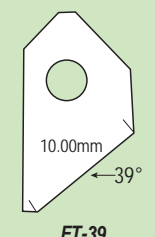
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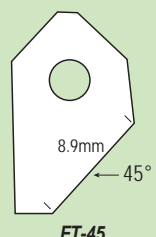
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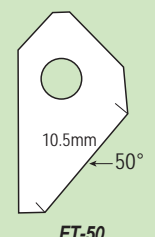
FT-37



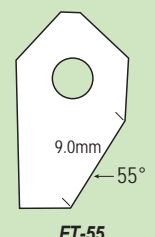
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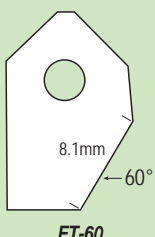
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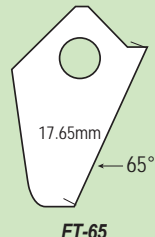
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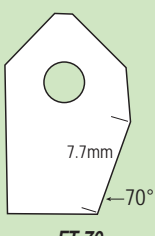
FT-55



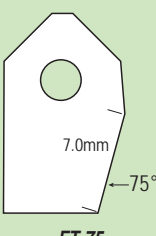
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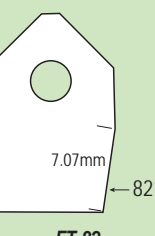
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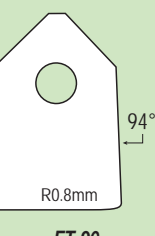
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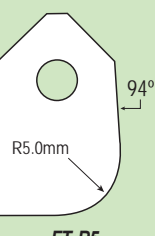
FT-75



FT-82

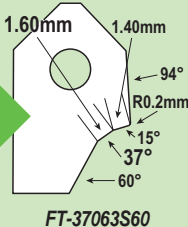


FT-90

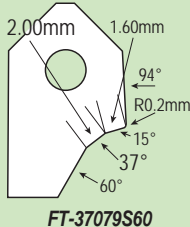


FT-R5

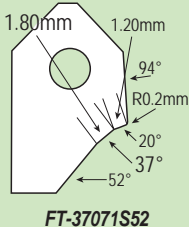
sized for
diesel
Diesel Blades
Jobber \$39.99



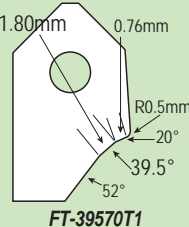
FT-37063S60



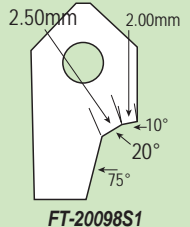
FT-37079S60



FT-37071S52



FT-39570T1



FT-20098S1

- Increase Low Lift Air Flow
- Increase Torque
- Increase Horsepower

Offset Pilot



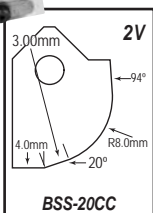
Indexing Pin

Mounting Fixture

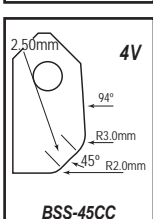


Diesel Relief Tooling

- Use with your seat and guide machine or Bridgeport Mill equipped with a multi-angle seat cutting system • Developed for Goodson by Joe Mondello Racing Engines
- Use for 6.0L & 7.3L Ford, 12 Valve, 5.9L Cummins & 6.6L Duramax diesel engines
- For 2-Valve & 4-Valve heads • Complete kit includes the Mounting Fixture, .375" Top Offset Pilot, Indexing Pin & Radius Cutter
- This tool is only for use with radius cutters BSS-20CC and BSS-45CC

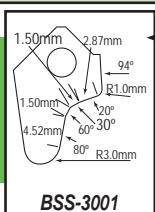


BSS-20CC

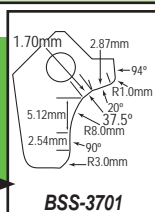


BSS-45CC

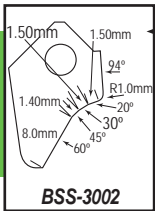
Description	Jobber	Order No.	Incl.
7mm Diesel Relief Tool Kit	\$169.99	DVRT-7MM-KIT	▼
8mm Diesel Relief Tool Kit	169.99	DVRT-8MM-KIT	▼
20CC Radius Cutter for 2-Valve Heads	39.99	BSS-20CC	x
45CC Radius Cutter for 4-Valve Heads	39.99	BSS-45CC	x



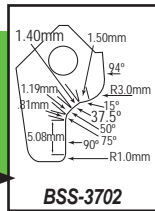
BSS-3001



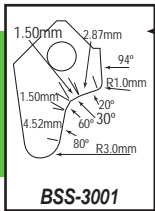
BSS-3701



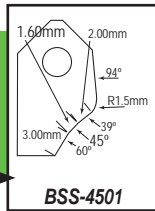
BSS-3002



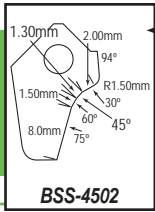
BSS-3702



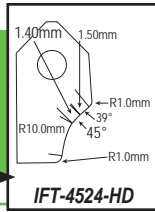
BSS-3001



BSS-4501



BSS-4502



IFT-4524-HD

black smoke
series cutters
for High
Performance
Diesel
Engines

Developed for Goodson by Joe Mondello Racing Engines. These cutters are designed to be used with your 3-D Fast Cut or other multi-angle tooling. Jobber \$39.99 ea.



See How to
Use the Diesel
Relief Tooling on
YouTube! Search
for **Diesel Valve
Relief Tool.**

... another satisfied customer

"It has been a long time since I have seen such a great vendor as these people. They are simply great. I give them an A+++ rating and hope to deal with them more."

- Wayne Hudson, Hillboro, Oregon (via Facebook), Goodson customer since 2014

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

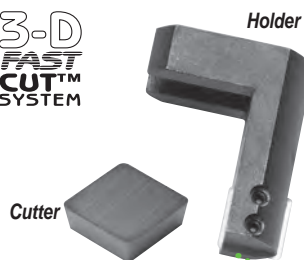
MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

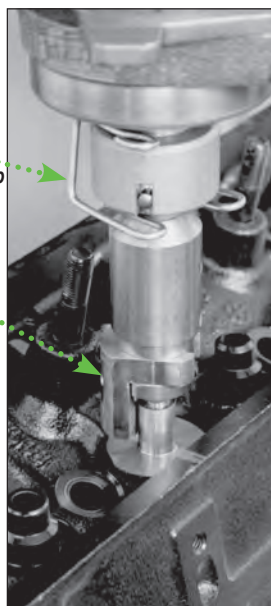
V-TWIN & METRIC
HARD PARTS

3-D
FAST
CUT™
SYSTEM



3-D Fast Cut Adjustable Spring Pad Cutters

- No need to change tooling, just change the tool holder and start cutting spring pads
- Works with all popular 3-angle cutting systems
- Square blades are indexable and replaceable
- Tool holder includes one blade



Tool Holders			
Blade Size	Application	Jobber	Order No.
3/8" / 9.53mm	All except Sunnen®	\$209.99	SPC-375
1/2" / 12.70mm	All except Sunnen®	229.99	SPC-500
Replacement Carbide Cutters (for all holder styles above)			
3/8" / 9.53mm		\$18.99	SPCI-375
1/2" / 12.70mm		19.99	SPCI-500
Accessories			
Lift Clip for Enhanced Control		\$22.99	3D-CLIP
Valve Spring Seat Cutters on Page 42			



Minnesota Fast Freeze

- Instantly chills seats & guides to -50°F (-45.5°C) • Creates interference fit with heated aluminum heads • Finish seat and guide work faster than ever • Aerosol*
- Use on tight bushings, pins, shafts, etc.
- 10 oz. can

Description	Jobber 1+	Jobber 6+	Order No.
Minnesota Fast Freeze	\$35.99	\$32.39	MFF-8
Order 6 or more to Save 10% off Jobber			

*Hazardous Goods Fees Apply When Shipped by Air

Press Fit Lubricants

- A light coat eases press fit
- Ideal for valve guides, piston pins, cylinder sleeves, etc.
- Eliminates the scoring, gouging and galling of parts during press fitting

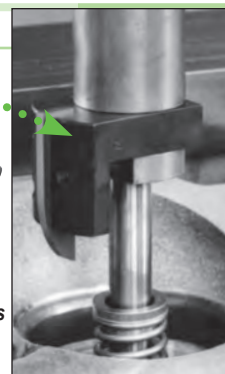
Description	Jobber 1+	Jobber 6+	Order No.
Goodson Aerosol 6 oz. (170 g)	\$12.99	\$11.69	PFL-200*
Sunnen® Aerosol 7 oz. (198 g)	19.99		B-200*
Sunnen® Brush Applicator 200 mL	27.99		B-200L*

*Hazardous Goods Fees Apply When Shipped By Air
Save 10% by buying 6 or more cans of PFL-200

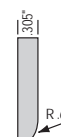

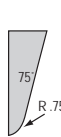
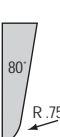
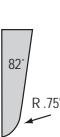


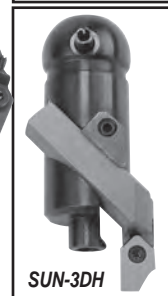
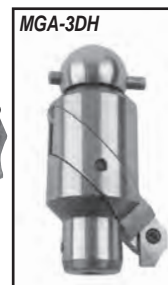
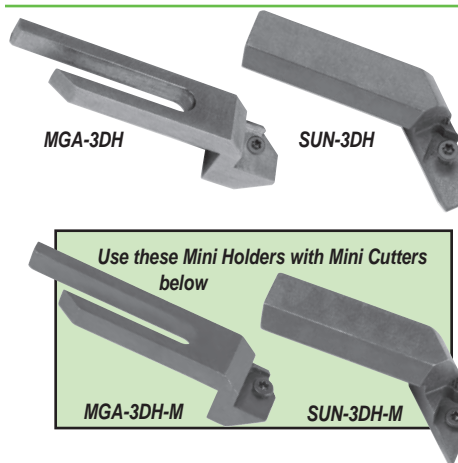
3-D Fast Cut™ Bowl Profiler

- Machine seats & bowls on a pair of V8 heads in about 40 minutes
- Remove material to contour cylinder head bowl areas and unshroud valves in combustion chambers
- Will not work with Sunnen® Ball Heads



Holder Diameter Range	Jobber	Order No.
1.25"-1.87" / 32-48mm	\$179.99	NBN-1
1.57"-2.13" / 40-54mm	179.99	NBN-2
Blades sold separately		

				
NBN-5	NBN-6	NBN-12	NBN-14	NBN-15
\$79.99	\$79.99	\$114.99	\$114.99	\$114.99

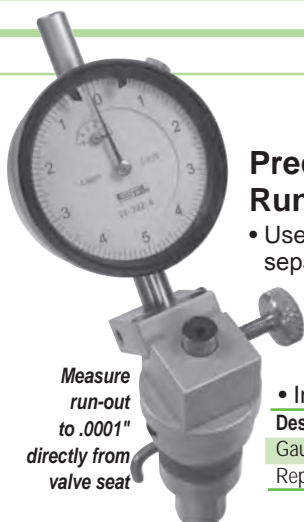


Convert your Sunnen® or Mira® brazed cutters to 3-D with this simple holder

This blade holder allows you to mount premium, replaceable carbide cutters on your existing MIRA® and Sunnen® ball-type tool holders. Choose from our wide selection of replaceable cutters, previously only available for 3-D Fast Cut™ or similar seat cutting systems.

Description	Jobber	Order No.
Standard Cutter	Mira®	\$174.99
Holders	Sunnen® VSC-Series	179.99
Mini Cutter	Mira®	174.99
Holders	Sunnen®	184.99
Mini Cutters	30°/45°/60°	39.99
	32°/45°/60°	39.99
view profiles on page 7	30°/45°/60°	39.99
	45°/90°	39.99
Replacement Screw		5.99

Valve Seat Work



Precision Valve Seat Run-Out Gauge

- Use with your .375" Top Pilot (sold separately) • Measure run-out to .0001" directly from the seat • Locked to the pilot • Dial indicator remains stationary while rotating contact pointer • .800" - 2.500" dia. range • Includes 2" dia. dial indicator

Description	Jobber	Order No.
Gauge Assembly	\$614.99	SCG-375
Replacement Indicator	129.99	SCG-IND

Measure run-out to .0001" directly from valve seat



Valve Seat Machining Aid

- Machine valve seats to a mirror-like finish
- Universal - works with any type of cylinder head machining center
- Use full strength
- Safe for metal surfaces
- Works with mineral-based cutting oils, not water based
- Quart (946mL)
- Order No. **PF-2020**
- Jobber \$44.99



Layout Fluids

- Choose from blue and red
- Toluene-free • Dries in minutes
- Provides a thin film without cracking or chipping • Prevents glare with a uniform, deep color
- 2 oz. markers feature felt tip applicator
- 4 oz. containers includes brush in cap

Description	Color	Jobber	Order No.
2 oz. Layout Fluid Markers	Blue	\$10.99	VBF-2
	Red	10.99	VRF-2
4 oz. Layout Fluid	Blue	10.99	VBF-4
	Red	10.99	VRF-4



Spray Bluing Fluid

- Fast drying • Will not rub off
- Good adhesion to all metals and glass
- Non-corrosive • Resists heat
- No flaking or peeling
- Scribes clean lines for precision work
- Eliminates rags, daubers, spilled bottles
- Dries to a smooth level coating
- Aerosol*
- Order No. **SBF-16***
- Jobber 1+ \$9.99 ea., Jobber 6+ \$8.99 ea.



*Hazardous Goods Fees Apply When Shipped by Air

VSG-375 & 385

Now With Easier To Read Gauge



American Made

Premium Valve Seat Run-Out Gauges

VSG-375-XL

- Hardened guide bushings & contact pilot • Quick thumb screw set-up
- Jeweled bearing indicator reads to $\pm .050$ " with .001" precision
- Range: 1.00"-2.50"
- Measures concentricity

premium grade

Pilot Size	OAL	Jobber	Order No.
.375"	5"	\$239.99	VSG-375
.385"	5"	239.99	VSG-385
.375" Extended	12 1/2"	514.99	VSG-375-XL
Replacement Indicator		74.99	VSG-IND

Valve and Seat Scribe Tool

- Fits .375" Top Pilot
- Kit includes: tool body, scribe, 1 pilot sleeve, and 6.6mm, 8.0mm, $\frac{5}{16}$ ", $1\frac{1}{32}$ " and $\frac{3}{8}$ " valve stem sleeves • Sleeves fit tool body to valve stems & pilots • Use valve to set point then scribe seat with inner & outer radii (valve not included) • Grind seat top & throat to match face precisely
- Order No. **ST-30-BD** Jobber \$34.99



Cutting & Tapping Fluid

- Cut through even the hardest metals
- Spray clings to the surface of the tool to prolong tool life
- Ideal for stainless steel, high nickel alloys, titanium and more
- Use for reaming, seat cutting and CBN cutting
- Aerosol*
- Order No. **CTF-14***
- Jobber 1+ \$12.99 ea., Jobber 6+ \$11.69 ea.

*Hazardous Goods Fees Apply When Shipped by Air
Order 6 or more CTF-14, save 10% off jobber



Prussian Blue Paste

- Aids precision fitting of machined surfaces
- Locates high spots on bearings, valves, gears and other close-tolerance components
- Non-drying, easy clean-up
- Coat parts with a uniform film of Prussian Blue; assemble in working position and turn shaft; improper fit will show up as easy-to-see bright streaks
- 0.75 fl. oz. tube
- Order No. **PB-75** Jobber \$9.89



CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

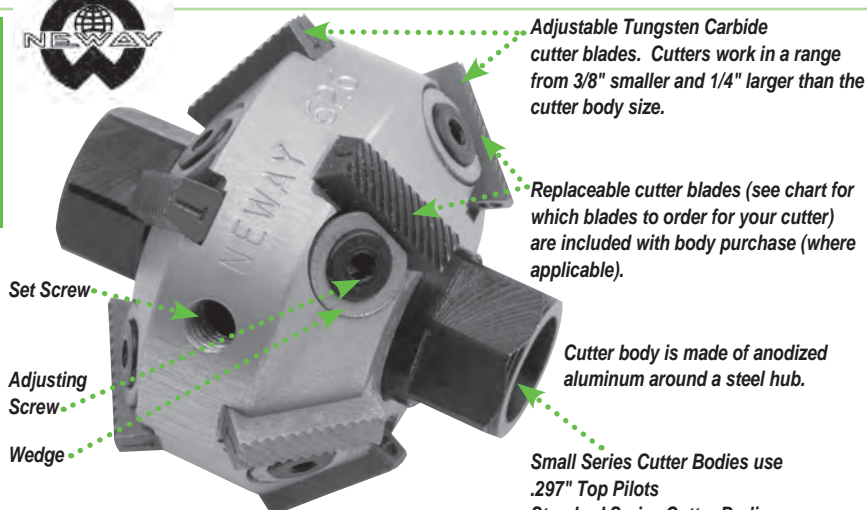
MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

Neway Valve Seat Cutting System



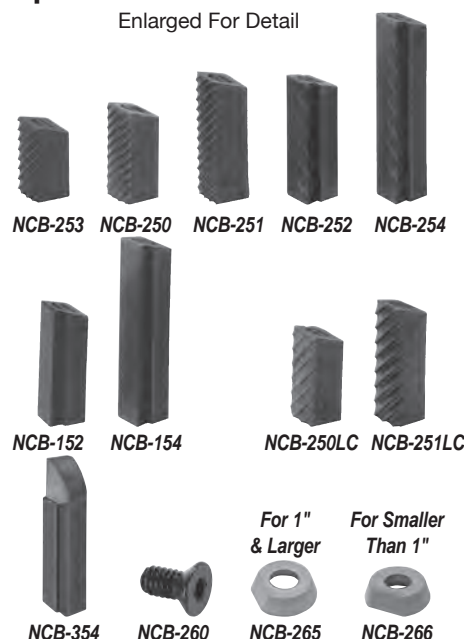
Many cutter body styles available including single angle and double angle for a variety of cutting applications.

special order

Don't see the cutter you need in the chart below? Goodson can order any Neway Cutter Body available.

Replacement Blades & Parts

Enlarged For Detail



Description	Jobber	Order No.
Small Series Cutter Bodies (Use .297" Top Pilots - page 1)		
Cutter Body	Blade	Qty.
0.975" / 24.8mm	45°	3
1.000" / 25.4mm	60°	3
1.312" / 33.3mm	15°/60°	3/3
Replacement	Angle	Blade Length
Blades	15-46°	5/16" / 7.9mm
Sold		3/8" / 9.53mm
Individually		1/2" / 12.7mm
	60-75°	1/2" / 12.7mm
		3/4" / 19.05mm
Non-Serrated	60-75°	1/2" / 12.7mm
Correction Blades		3/4" / 19.05mm
Hard Seat	15-46°	3/8" / 9.53mm
Blades		1/2" / 12.7mm
Radius Combustion		3/8" / 9.53mm
Chamber Blades		1/2" / 12.7mm
		3/4" / 19.05mm
Flat Head Screw		1.99
Wedge for bodies 1" / 25.4mm and over		1.99
Wedge for bodies smaller than 1" / 25.4mm		1.99
Tool Kit (includes brush, 2 hex keys and pilot puller)		6.79
EZ-Turn Wrench		78.99
1/2" T-Handle Driver		12.79
3/8" T-Handle Driver		12.79
Drive Adaptor		12.79

Description	Jobber	Order No.
Standard Series Cutter Bodies (Use .375" Top Pilots - page 1)		
Cutter Body	Blade	Qty.
1.125" / 28.6mm	30°	3
	45°	3
	60°	3
	37.5°	5
1.250" / 31.6mm	30°/45°	3/3
	31°/46°	3/3
	60°	3
1.375" / 35.0mm	30°/45°	3/3
1.500" / 38.0mm	15°/75°	3/3
	30°/45°	3/3
	30°/45°	5/5
	40°	5
	60°	3
1.750" / 44.5mm	15°/60°	5/5
	30°/45°	5/5
	55°	5
2.000" / 50.8mm	15°/60°	5/5
	30°/46°	5/5
	60°	5
2.50" / 63.5mm	30°/45°	7/7
	50°	7
	52°	7
	55°	7



T-Handle

Valve Seat Cutting Fluid

- High silicone content reduces drag on cutters so they last longer
- Promotes smoother cuts
- May be diluted up to 9:1
- Non-aerosol spray

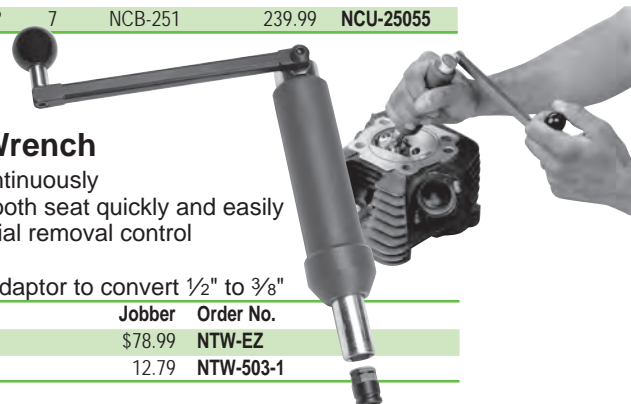
Size	Jobber	Order No.
16 oz. Spray / 473 mL	\$14.99	SCF-2
1 Gal. / 3.79 L	31.99	SCF-10



Neway Easy Turn Wrench

- Turn cutters continuously
- Produces a smooth seat quickly and easily
- Improves material removal control
- Spring loaded
- Includes drive adaptor to convert 1/2" to 3/8"

Description	Jobber	Order No.
Wrench	\$78.99	NTW-EZ
Drive Adaptor	12.79	NTW-503-1



GOODSON Counterbore Cutters CUT TRUE TO SIZE!

Other cutters may cut as much as .005" smaller

tech tips
from the techxperts™

Goodson recommends using
Indexable Counterbore Cutters
at 40 to 60 RPM.



Indexable Counterbore Cutters

These indexable counterbore cutters eliminate down time from having brazed cutters reset or sharpened. You can service them right in your own shop! Each cutter body includes 2 carbide cutter tips with 4 cutting edges. When one edge wears, simply rotate the tip to a new cutting edge. You'll also get insert screws and a wrench with every cutter body.

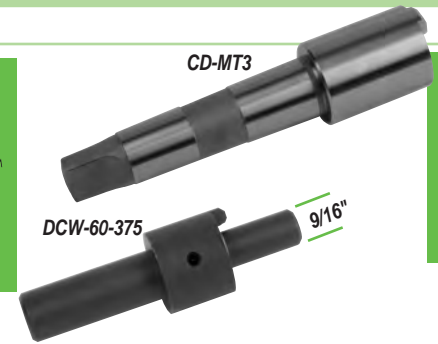


DWI-SERIES

- Fits DCM Tech, Sunnen, and Winona Van Norman
- $\frac{9}{16}$ " / 14.3mm arbor

Size	mm	Repl. Insert	Jobber	Order No.
1.062"	26.97	SCI-250-B	\$229.99	DWI-1062
1.125"	28.57	SCI-250-B	229.99	DWI-1125
1.187"	30.15	SCI-250-B	229.99	DWI-1187
1.250"	31.75	SCI-250-B	229.99	DWI-1250
1.312"	33.32	SCI-250-B	229.99	DWI-1312
1.375"	34.93	SCI-250-B	229.99	DWI-1375
1.437"	36.50	SCI-250-B	229.99	DWI-1437
$\frac{1}{4}$ " Replacement Cutting Insert			29.99	SCI-250-B
Replacement Screw for SCI-250-B			5.99	SCS-T7
Allen Wrench for SCS-T7			8.99	SCW-T7

Size	mm	Repl. Insert	Jobber	Order No.
1.500"	38.10	SCI-375-B	\$229.99	DWI-1500
1.562"	39.67	SCI-375-B	229.99	DWI-1562
1.625"	41.28	SCI-375-B	229.99	DWI-1625
1.687"	42.85	SCI-375-B	229.99	DWI-1687
1.750"	42.85	SCI-375-B	229.99	DWI-1750
1.812"	44.45	SCI-375-B	229.99	DWI-1812
1.875"	47.63	SCI-375-B	229.99	DWI-1875
1.937"	49.20	SCI-375-B	229.99	DWI-1937
2.000"	50.80	SCI-375-B	229.99	DWI-2000
2.062"	52.37	SCI-375-B	229.99	DWI-2062
2.125"	53.98	SCI-375-B	229.99	DWI-2125
$\frac{3}{8}$ " Replacement Cutting Insert			45.99	SCI-375-B
Replacement Screw for SCI-375-B			1.99	SCS-T15
Torx Wrench for SCS-T15			5.99	SCW-T15



Counterbore Cutter Drive Adaptors

Cutter Drivers	Jobber	Order No.
#3 MT Driver	\$359.99	CD-MT3
Fits .750" Bridgeport Collet		
$\frac{9}{16}$ " arbor, .375" pilot	\$144.99	DCW-60-375
$\frac{9}{16}$ " arbor, .385" pilot	144.99	DCW-60-385



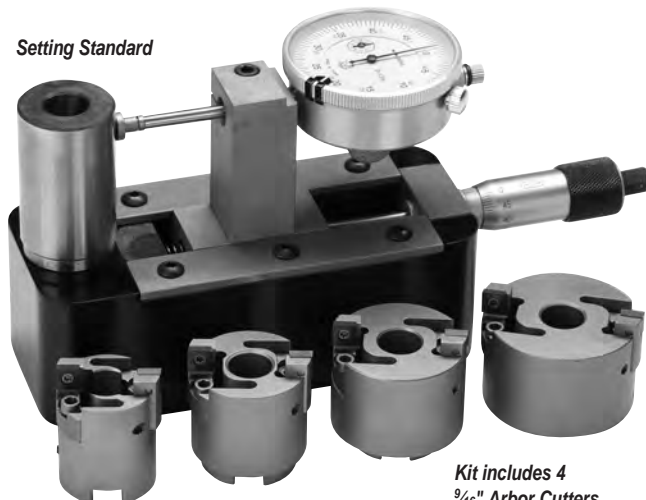
Wear Sleeves for DWA & DWI Counter Bore Cutters

- Wear sleeves fit CD-MT3 Driver

Pilot Top Size	Jobber	Order No.
.375" (9.53mm)	\$78.99	DCW-375
.385" (9.78mm)	78.99	DCW-385

Back by Popular Demand!

Setting Standard



Kit includes 4
 $\frac{9}{16}$ " Arbor Cutters

GOODSON Adjustable Counterbore Cutter Kit

- Cutter assemblies feature positive stop adjusting screws to prevent cutters from changing dimensions when in use
- Direct reading micrometer and dial indicator for fast, accurate set-up
- 7 cutter assemblies to choose from, covering a range from 1.25" to 2.75" diameter
- Kit substitutions are available, call to inquire
- Heavy duty billet steel construction

Complete Kit	Jobber	Order No.	Incl.
$\frac{9}{16}$ " / 14.3mm Arbor	\$1849.99	DWA-300	▼
Cutter Assemblies (in/mm)			
$\frac{9}{16}$ " Arbor 1.250"-1.375" / 31.8-34.9	\$439.99	DWA-250	x
1.375"-1.500" / 34.9-38.1	439.99	DWA-375	x
1.500"-1.750" / 38.1-44.5	439.99	DWA-302	x
1.750"-2.000" / 44.5-50.8	439.99	DWA-303	x
2.000"-2.250" / 50.8-57.2	439.99	DWA-304	
2.250"-2.500" / 57.2-63.5	439.99	DWA-305	
2.500"-2.750" / 63.5-69.9	439.99	DWA-306	
Cutting Insert	39.99	DKB-7	x
Insert Screw	13.99	DKS-7	x
Wrench	11.29	FT-WRENCH	x
Wear Sleeves (see note below)			
For .375" Top Pilot	78.99	DCW-375	
For .385" Top Pilot	78.99	DCW-385	

To use the Counterbore Cutter Kit with Kwik-Way & Peterson Machines you will need to adapt the $\frac{9}{16}$ " cutter to fit the $\frac{9}{16}$ " drive. Use a DCW wear sleeve.

CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
FLYWHEEL GRINDING
CRANKSHAFT/
MISCELLANEOUS
TOOLS & SUPPLIES
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS



"At Goodson, we're trained to know your business. Regular training sessions are held for our entire staff to help us better understand your work so we can provide you with the best possible service."
- Anne, Goodson Accounting - 17 years of service



Traditional Valve Lapping Sticks

- Oil resistant polyethylene handles
- Locking tabs eliminate cup slippage

Description		Cup ID	Jobber	Order No.
Small Lapping Stick	8 1/8" Long		\$7.99	VLS-15
Replacement Cups	15.9mm / 0.625" dia.	.156"	4.99	VLS-5/8
	20.6mm / 0.813" dia.	.230"	5.99	VLS-13/16
Large Lapping Stick	8 3/4" Long		8.99	VLS-30
Replacement Cups	28.6mm / 1.125" dia.	.380"	4.99	VLS-1 1/8
	34.9mm / 1.375" dia.	.380"	5.99	VLS-1 3/8



Valve Seat Inserts

- For Harley-Davidson®
- Easy to machine
- Effectively dissipate heat for consistent valve sealing
- Hardness increases during engine break-in
- Radiused for easy installation



Replacement Valve Seats For Shovel Head 1200 & 1340

Application	OD	ID	Thickness	MSRP	Jobber	Order No.
Exhaust	1.944"	1.575"	.400"	\$10.12	\$7.29	10-HC493
Intake	2.135"	1.750"	.400"	10.12	7.29	10-HC542

Oversize Seats For Shovel, Evolution & Twin Cam - machining required

OD	ID	Thickness	MSRP	Jobber	Order No.
1.630"	1.180"	.385"	\$10.12	\$7.29	10-HC414
1.757"	1.410"	.430"	10.12	7.29	10-HC447
1.882"	1.530"	.410"	10.12	7.29	10-HC478
2.008"	1.610"	.440"	10.12	7.29	10-HC510
2.040"	1.700"	.425"	10.12	7.29	10-HC518
2.070"	1.610"	.460"	10.12	7.29	10-HC526
2.132"	1.800"	.460"	10.12	7.29	10-HC541
2.163"	1.750"	.455"	10.12	7.29	10-HC549

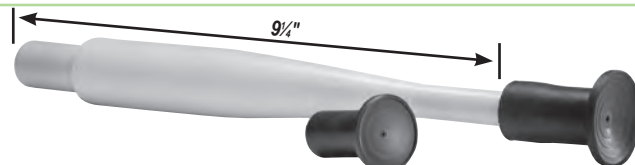
For Iron Head Sportster

Application	OD	ID	Thickness	MSRP	Jobber	Order No.
Exhaust	1.757"	1.371"	.315"	\$10.12	\$7.29	10-HC446
Intake	2.068"	1.750"	.315"	10.12	7.29	10-HC525

Universal Repair Seat

OD	ID	Thickness	MSRP	Jobber	Order No.
1.339"	1.024"	.375"	\$10.12	\$7.29	10-SC340
1.693"	1.299"	.434"	10.12	7.29	10-SC430
1.820"	1.375"	.450"	10.12	7.29	10-HC462
1.945"	1.375"	.440"	10.12	7.29	10-HC494
2.257"	1.550"	.500"	10.12	7.29	10-HC573

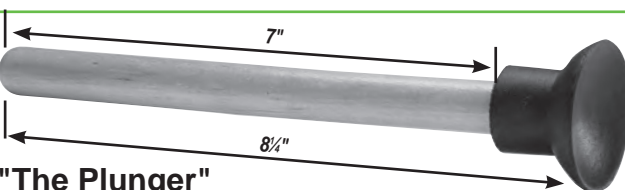
MSRP = Manufacturer's Suggested Retail Price



Vacuum Style Lapping Stick

- Press the spring-loaded vacuum pump for a firm hold - stays on until you release the vacuum
- Includes 3 cup sizes (also sold separately)

Description	Cup ID	Jobber	Order No.
Vacuum Lapping Stick 9 1/4" Long		\$34.99	VLV-50
Replacement Cups	19.1mm / 0.750" dia.	.415"	7.99
	25.4mm / 1.000" dia.	.415"	7.99
	31.8mm / 1.250" dia.	.415"	8.99



"The Plunger" Hand Valve Lapping Stick

- Large diameter for sure grip
- For 2" and larger valves



Description	Cup ID	Jobber	Order No.
Hand Valve Lapping Stick 8 1/4" Long		\$9.99	VLS-75
Replacement Cup 44.5mm / 1.750" dia.	.313"	5.99	VLS-1 3/4

Buy 12 or more (any combo),
Save 10% off Jobber

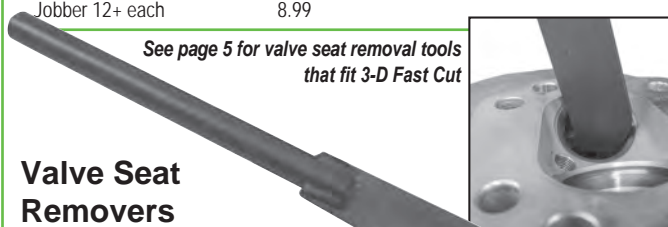


Nickel-Chrome Valve Seats



WARNING: This product can expose you to chemicals, including Nickel which are known to the state of California to cause cancer

OD	ID	Depth	Order No.	OD	ID	Depth	Order No.
1.250"	0.812"	1/4"	VS-1250	1.625"	1.375"	1/32"	VS-1625A
1.312"	1.000"	1/4"	VS-1312	1.687"	1.375"	1/4"	VS-1687
1.375"	1.062"	1/4"	VS-1375	1.750"	1.500"	1/4"	VS-1750
1.437"	1.125"	1/4"	VS-1437	1.812"	1.500"	1/4"	VS-1812
1.500"	1.187"	1/4"	VS-1500	1.875"	1.562"	1/4"	VS-1875
1.562"	1.250"	1/4"	VS-1562	1.937"	1.625"	1/4"	VS-1937
1.562"	1.312"	1/32"	VS-1562A	2.000"	1.625"	1/4"	VS-2000
1.625"	1.312"	1/4"	VS-1625	Jobber 1+ each			\$9.99
				Jobber 12+ each			8.99

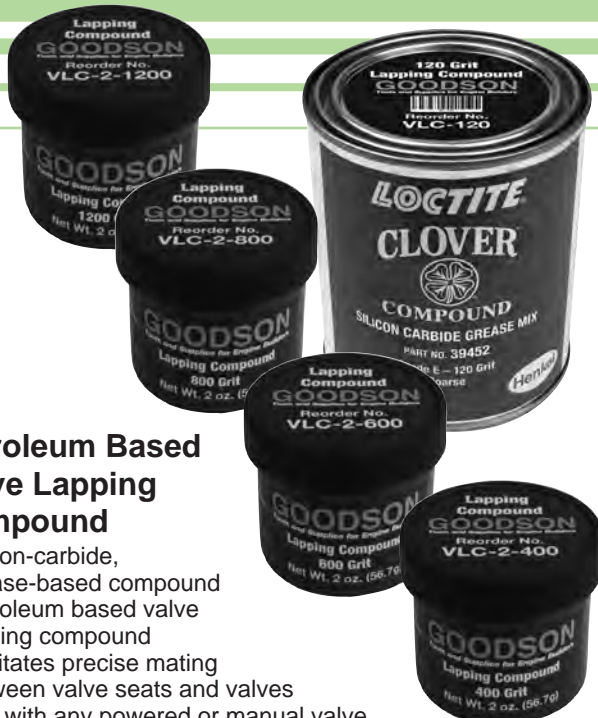


See page 5 for valve seat removal tools
that fit 3-D Fast Cut

Valve Seat Removers

- Use to pry out valve seat inserts or stubborn grease seals
- Choose from 90°, 100° and 120°, or buy the set
- **Not** recommended for use on aluminum heads
- Set includes one of each angle
- 13 7/8" overall length

Description	Jobber	Order No.
3-Pc. Set	\$129.99	VSP-SET ▼
90°	44.99	VSP-90 x
100°	44.99	VSP-100 x
120°	44.99	VSP-120 x



Petroleum Based Valve Lapping Compound

- Silicon-carbide, grease-based compound
- Petroleum based valve lapping compound facilitates precise mating between valve seats and valves
- Use with any powered or manual valve lapping tools • The higher the number the finer the grit

Size	Grit	Jobber	Order No.
2 oz. / 56.7g	400 Grit	11.99	VLC-2-400
	600 Grit	12.99	VLC-2-600
	800 Grit	16.99	VLC-2-800
	1200 Grit	17.99	VLC-2-1200
2 oz. / 56.7g ea. Combo	120 Grit & 280 Grit	28.99	VLC-4
	120 Grit	59.99	VLC-120
1 lb. / 453.6g	180 Grit	59.99	VLC-180
	280 Grit	59.99	VLC-280



Manual



Pneumatic



VSD-HD



Valve Seat Drivers For Fast Seat Installation

- Pneumatic Drivers install seats faster, easier and without galling • Driver Head ID is .75" / 19.05mm

Description	Jobber	Order No.
Manual Drivers		
.375" / 9.53mm & .385" / 9.78mm ID	\$34.99	VSD-202-G
Driver Heads (Blackened for Rust Resistance)		
1.000" to 1.125" Seats / 25.4 - 28.6mm	\$33.99	VSD-203-G
1.250" to 1.375" Seats / 31.8 - 34.9mm	33.99	VSD-204-G
1.500" to 1.625" Seats / 38.1 - 41.3mm	33.99	VSD-205-G
1.750" to 1.875" Seats / 44.5 - 47.6mm	33.99	VSD-206-G
2.000" to 2.125" Seats / 50.8 - 54.0mm	33.99	VSD-207-G
Driver Heads (Not Blackened)		
1.750" to 2.000" Seats / 44.5 - 50.8mm	\$33.99	VSD-HD
Pneumatic Drivers		
.375" / 9.53mm & .385" / 9.78mm ID	\$33.99	PSD-385
.437" / 11.10mm ID	33.99	PSD-437



Air Powered Valve Lapping Tool

- Operates on 90psi
- Includes air tool and 3 replacement cups • Air actuated ... no electricity needed • Cups also sold separately
- Air supply pressure: 89 psi
- Sound pressure: 77dB
- Sound power: 88 dB
- Hand/arm weighted vibration: 5.43 m/s²
- Use a light touch when operating - no pressure required!



Replacement Cups Also Available

Description	Cup ID	Jobber	Order No.
Air Powered Valve Lapping Tool		\$399.99	AVLP-300
Replacement Cups	21mm / 0.827" dia.	.230"	9.99
	33mm / 1.299" dia.	.380"	9.99
	38mm / 1.496" dia.	.380"	9.99

Powered Lapping Tool

- Change rotary action into an effective oscillating motion
- Drive with a power drill
- Makes lapping faster and easier
- Includes 2 cup sizes



Description	Cup ID	Jobber	Order No.
Complete Tool		\$177.99	VLP-100
Replacement Cups	22.2mm / 0.875" dia.	.460"	9.99
	25.4mm / 1.000" dia.	.460"	10.99



Minnesota Fast Freeze



- Instantly chills seats & guides to -50°F (-45.5°C) • Creates interference fit with heated aluminum heads • Finish seat and guide work faster than ever • Aerosol*
- Use on tight bushings, pins, shafts, etc.
- Order No. **MFF-8**
- Jobber 1+ \$35.99 ea., Jobber 6+ \$32.39 ea.

Order 6 or more to Save 10% off Jobber

*Hazardous Goods Fees Apply When Shipped by Air

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

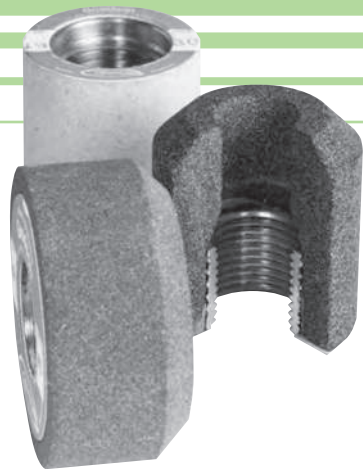
CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



Goodson seat wheels are built to grind accurately & outlast the competition

- Brass bushings resist galling or seizing to the holder
- Heat-cured, permanent epoxy bonding prevents loose bushings
- Bushings are set deep to expose the most abrasive for long life
- Each wheel is trued and checked to assure accurate, vibration-free grinding

**GP****General Purpose**

Removes material from cast-iron seats or inserts.

CB**Cool Blue**

Pure Aluminum-Oxide stone. Superior general purpose stone for high performance Beryllium seats. Very sharp.

S**Stellite**

Specially formulated to grind Stellite and other types of hardened seat.

F**Finish**

Final polishing stone gives an ideal final finish with minimal stock removal. Removes chatter marks.

NC**Nickel Chrome**

For aluminum heads with chrom-alloy seat inserts. Soft abrasive stone to grind hard seats. Speckled.

R**Ruby**

The original Black & Decker composition, general purpose stone.

KW

Fits Kwik-Way 13/16"x13 thread

Custom angles and sizes are available in house. Call for more information.

Colors may vary due to manufacturing processes

Size			General Purpose (GP) 90 Grit			Cool Blue (CB) 80 Grit		Finishing (F) 150 Grit		Stellite (S) 90 Grit	
Inch	mm	Jobber	00°	30°	45°	00°	45°	30°	45°	00°	45°
1¼"	32	\$13.99	KW-1000-GP	KW-1030-GP	KW-1045-GP	KW-1000-CB	KW-1045-CB	_____	KW-1045-F	KW-1000-S	KW-1045-S
1½"	33	13.99	KW-1000A-GP	_____	KW-1045A-GP	KW-1000A-CB	KW-1045A-CB	_____	_____	_____	_____
1¾"	35	13.99	KW-1100-GP	KW-1130-GP	KW-1145-GP	KW-1100-CB	KW-1145-CB	KW-1130-F	KW-1145-F	KW-1100-S	KW-1145-S
1⅞"	36	13.99	KW-1100A-GP	_____	KW-1145A-GP	KW-1100A-CB	KW-1145A-CB	_____	KW-1145A-F	KW-1100A-S	KW-1145A-S
1½"	38	13.99	KW-1200-GP	KW-1230-GP	KW-1245-GP	KW-1200-CB	KW-1245-CB	KW-1230-F	KW-1245-F	KW-1200-S	KW-1245-S
1⅞"	39	13.99	KW-1200A-GP	_____	KW-1245A-GP	_____	KW-1245A-CB	_____	KW-1245A-F	KW-1200A-S	KW-1245A-S
1¾"	41	13.99	KW-1300-GP	KW-1330-GP	KW-1345-GP	KW-1300-CB	KW-1345-CB	KW-1330-F	KW-1345-F	KW-1300-S	KW-1345-S
1⅞"	43	13.99	KW-1300A-GP	_____	KW-1345A-GP	KW-1300A-CB	KW-1345A-CB	_____	KW-1345A-F	KW-1300A-S	KW-1345A-S
1¾"	44	14.49	KW-1400-GP	KW-1430-GP	KW-1445-GP	KW-1400-CB	KW-1445-CB	KW-1430-F	KW-1445-F	KW-1400-S	KW-1445-S
1⅞"	47	14.49	KW-1500-GP	KW-1530-GP	KW-1545-GP	KW-1500-CB	KW-1545-CB	KW-1530-F	KW-1545-F	KW-1500-S	KW-1545-S
2"	51	15.49	KW-1600-GP	KW-1630-GP	KW-1645-GP	KW-1600-CB	KW-1645-CB	KW-1630-F	KW-1645-F	KW-1600-S	KW-1645-S
2⅞"	54	15.49	KW-1700-GP	KW-1730-GP	KW-1745-GP	KW-1700-CB	KW-1745-CB	KW-1730-F	KW-1745-F	KW-1700-S	KW-1745-S
2¼"	57	15.49	KW-1800-GP	KW-1830-GP	KW-1845-GP	KW-1800-CB	KW-1845-CB	_____	KW-1845-F	KW-1800-S	KW-1845-S
2⅞"	60	15.49	KW-1900-GP	KW-1930-GP	KW-1945-GP	KW-1900-CB	KW-1945-CB	_____	_____	_____	_____
Size			Nickel Chrome (NC) 60 Grit			Ruby (R) 80 Grit					
Inch	mm	Jobber	00°	45°	Jobber	00°	45°				
1"	25	\$16.99	KW-700-NC	KW-745-NC	\$17.99	KW-700-R	KW-745-R				
1⅞"	27	16.99	KW-800-NC	KW-845-NC	17.99	KW-800-R	KW-845-R				
1⅞"	28	16.99	KW-900-NC	KW-945-NC	17.99	KW-900-R	KW-945-R				
1¼"	32	14.99	KW-1000-NC	KW-1045-NC	14.99	KW-1000-R	KW-1045-R				
1¾"	35	14.99	KW-1100-NC	KW-1145-NC	14.99	KW-1100-R	KW-1145-R				
1⅞"	36	14.99	KW-1100A-NC	KW-1145A-NC	_____	_____	_____				
1½"	38	14.99	KW-1200-NC	KW-1245-NC	14.99	KW-1200-R	KW-1245-R				
1⅞"	39	14.99	KW-1200A-NC	KW-1245A-NC	_____	_____	_____				
1¾"	41	14.99	KW-1300-NC	KW-1345-NC	14.99	KW-1300-R	KW-1345-R				
1⅞"	43	14.99	KW-1300A-NC	KW-1345A-NC	_____	_____	_____				
1¾"	44	14.99	KW-1400-NC	KW-1445-NC	14.99	KW-1400-R	KW-1445-R				
1⅞"	47	14.99	KW-1500-NC	KW-1545-NC	14.99	KW-1500-R	KW-1545-R				
2"	51	14.99	KW-1600-NC	KW-1645-NC	15.99	KW-1600-R	KW-1645-R				
2⅞"	54	15.99	KW-1700-NC	KW-1745-NC	_____	_____	_____				
2¼"	57	15.99	KW-1800-NC	KW-1845-NC	_____	_____	_____				
2⅞"	60	15.99	KW-1900-NC	KW-1945-NC	_____	_____	_____				

Ordering is easy!

- 1 - Find the diameter (valve head diameter + 1/16" to 1/8").
- 2 - Find the angle you need (you can modify angles with our Valve Seat Stone Dresser, page 22).
- 3- Select the abrasive to match your job.

tech tips
from the techxperts™

Save 10% on 10!

Order 10 or more Valve Seat Wheels
(any combination, pages 16 and 18)
and SAVE 10% off jobber



Hex Drive Seat Grinding Kit includes everything listed below. Everything comes packed in a handy storage case.

Valve Seat Grinding Sets

Order the set as-is or modify a set to meet your specific needs. Set contents include:

Description	OE Number	Jobber	Order No.	Includes
45° Hex Drive Motor Seat Grinding Set (110V, 50/60 Hz)		\$3699.99	SGH-110-KIT	▼
45° Hex Drive Motor Seat Grinding Set (220V, 50/60Hz)		3799.99	SGH-220-KIT	▼
Hex Drive Seat Grinder - 45° 110V, 50/60Hz	031-3100-20	1399.99	031-3100-20	1
Hex Drive Seat Grinder - 45° 220V, 50/60Hz	031-3100-27	1399.99	031-3100-27	1
Universal Wheel Dresser w/G-13 P Diamond		659.99	SWD-UNI	1
Replacement Dressing Stand Diamond		84.99	G-13P	1
Dressing Stand Pilot with .437" Top	031-1102-89	149.99	031-1102-89	1
Stone Holder - 13/16" x 13 Thread w/Plunger	031-0300-30	379.99	031-0300-30	2
Heavy Duty Plastic Case (21 ⁵ / ₁₆ " x 12 ¹ / ₂ " x 13 ¹ / ₂ ")	001-1000-25	51.99	SG-CASE	1
Seat Stone Removal Tool		24.99	KW-SRT	1
Leather Vibration Reducer (3 Pc.)		11.99	KHW-3	1
.437" Top Pilots Dia./mm				
.2755" / 7.00mm	030-0237-30	\$59.99	P-5275K	1
.2760" / 7.01mm		59.99	P-5276K	1
.2765" / 7.05mm	030-0237-40	59.99	P-5277K	1
.3125" / 7.93mm	030-0239-35	59.99	P-5312K	1
.3135" / 7.96mm	030-0239-51	59.99	P-5313K	1
.3145" / 7.98mm	030-0239-78	59.99	P-5314K	1
.3150" / 8.00mm	030-0239-94	59.99	P-5315K	1
.3437" / 8.72mm	030-0242-73	59.99	P-5343K	1
.3440" / 8.74mm	030-0243-03	59.99	P-5344K	1
.3457" / 8.78mm	030-0243-11	59.99	P-5345K	1
.3730" / 9.47mm	030-0247-70	59.99	P-5373K	1
.3750" / 9.52mm	030-0247-70	59.99	P-5375K	1
General Purpose Valve Seat Grinding Stones (1/8"x13)				
	30°			45°
1.375" / 35mm	\$13.99	KW-1130-GP	1	1
1.500" / 38mm	13.99	KW-1230-GP	1	1
1.615" / 41mm	13.99	KW-1330-GP	1	1
1.750" / 44mm	14.49	KW-1430-GP	1	1
1.785" / 47mm	14.49	KW-1530-GP	1	1
2.000" / 51mm	15.49	KW-1630-GP	1	1
2.125" / 54mm	15.49	KW-1730-GP	1	1
Finishing Valve Seat Grinding Stones (1/8"x13)				
	30°			45°
1.375" / 35mm	\$13.99	KW-1130-F	1	1
1.500" / 38mm	13.99	KW-1230-F	1	1
1.625" / 41mm	13.99	KW-1330-F	1	1
1.750" / 44mm	14.49	KW-1430-F	1	1
1.785" / 47mm	14.49	KW-1530-F	1	1
2.000" / 51mm	15.49	KW-1630-F	1	1
2.125" / 54mm	15.49	KW-1730-F	1	1

KWIK-WAY
Seat Grinding Equipment & Supplies
GOODSON
Tools and Supplies for Engine Builders

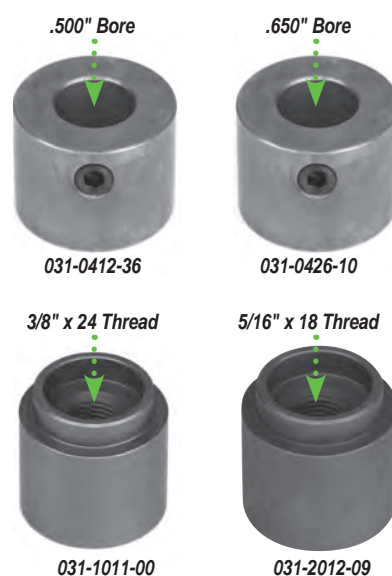
American Made



45° Kwik-Way Hex Drive (SGH) Electric Motor Unit

- Heavy duty electric motor
- 11,500 RPM • Weighs 9 lbs.
- 3/5 HP, 7.5 Amps

Description	Jobber	Order No.
110V, 50/60Hz	\$1399.99	031-3100-20
220V, 50/60Hz	1399.99	031-3100-27
Accessories		
Hex Drive Assembly	\$74.99	031-3112-17
Replacement Leather Pad	4.99	031-1009-41



Hex Drive Replacement Adaptors

- Adapt your Seat Grinder Motor to fit various Kwik-Way Seat Grinders

Description	Jobber	Order No.
.500" Bore	\$74.99	031-0412-36
Fit SGA Motor Units with Serial No. 0 to 2000		
.650" Bore	64.99	031-0426-10
Fit SGA Motor Units with Serial No. 4000 & up		
3/8" x 24 Thread	64.99	031-1011-00
Fit SGAll Hex Motor Units		
5/16" x 18" Thread	59.99	031-2012-09
Fit SSG Hex Motor Units		

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING
TOOLS & SUPPLIES

MISCELLANEOUS
BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



"If you need a custom angle or size in a Valve Seat Stone, Goodson can do it. We grind seat stones in-house to standard and custom dimensions. Give Goodson a call today."

- Tim, Goodson Production - 6 years of service

SX

Fits Sioux™, KO Lee, US, Thor, Skil, Winona 11/16"x16 thread

Order 10 or more Valve Seat Wheels (any combination) and save 10% off jobber

Colors may vary due to manufacturing processes



CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
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CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

Size		General Purpose (GP) 70 Grit					Cool Blue (CB) 80 Grit			Ruby 80 Grit		
Inch	mm	Jobber	00°	30°	45°	60°	00°		45°	Jobber	00°	45°
7/8"	22	_____	_____	_____	_____	_____	_____	_____	_____	\$22.99	SX-500-R	SX-545-R
15/16"	24	_____	_____	_____	_____	_____	_____	_____	_____	22.99	SX-600-R	SX-645-R
1"	25	_____	_____	_____	_____	_____	_____	_____	_____	22.99	SX-700-R	SX-745-R
1 1/16"	27	_____	_____	_____	_____	_____	_____	_____	_____	22.99	SX-800-R	SX-845-R
1 1/8"	28	\$19.99	SX-900-GP	SX-930-GP	SX-945-GP	_____	_____	_____	_____	22.99	SX-900-R	SX-945-R
1 3/16"	30	19.99	SX-900A-GP	_____	SX-945A-GP	_____	_____	_____	_____	_____	_____	_____
1 1/4"	32	13.99	SX-1000-GP	SX-1030-GP	SX-1045-GP	SX-1060-GP	\$13.99	SX-1000-CB	SX-1045-CB	13.99	SX-1000-R	SX-1045-R
1 5/16"	33	13.99	SX-1000A-GP	_____	SX-1045A-GP	_____	13.99	SX-1000A-CB	SX-1045A-CB	_____	_____	_____
1 3/8"	35	13.99	SX-1100-GP	SX-1130-GP	SX-1145-GP	SX-1160-GP	13.99	SX-1100-CB	SX-1145-CB	13.99	SX-1100-R	SX-1145-R
1 1/2"	36	13.99	SX-1100A-GP	_____	SX-1145A-GP	_____	13.99	SX-1100A-CB	SX-1145A-CB	_____	_____	_____
1 5/8"	38	13.99	SX-1200-GP	SX-1230-GP	SX-1245-GP	SX-1260-GP	13.99	SX-1200-CB	SX-1245-CB	13.99	SX-1200-R	SX-1245-R
1 3/4"	39	13.99	SX-1200A-GP	_____	SX-1245A-GP	_____	13.99	SX-1200A-CB	SX-1245A-CB	_____	_____	_____
1 7/8"	41	13.99	SX-1300-GP	SX-1330-GP	SX-1345-GP	SX-1360-GP	13.99	SX-1300-CB	SX-1345-CB	13.99	SX-1300-R	SX-1345-R
1 11/16"	43	13.99	SX-1300A-GP	_____	SX-1345A-GP	_____	13.99	SX-1300A-CB	SX-1345A-CB	_____	_____	_____
1 3/4"	44	13.99	SX-1400-GP	SX-1430-GP	SX-1445-GP	SX-1460-GP	13.99	SX-1400-CB	SX-1445-CB	13.99	SX-1400-R	SX-1445-R
1 7/8"	47	13.99	SX-1500-GP	SX-1530-GP	SX-1545-GP	SX-1560-GP	13.99	SX-1500-CB	SX-1545-CB	13.99	SX-1500-R	SX-1545-R
2"	51	13.99	SX-1600-GP	SX-1630-GP	SX-1645-GP	SX-1660-GP	13.99	SX-1600-CB	SX-1645-CB	13.99	SX-1600-R	SX-1645-R
2 1/8"	54	13.99	SX-1700-GP	SX-1730-GP	SX-1745-GP	_____	13.99	SX-1700-CB	SX-1745-CB	13.99	SX-1700-R	SX-1745-R
2 1/4"	57	13.99	SX-1800-GP	SX-1830-GP	SX-1845-GP	SX-1860-GP	13.99	SX-1800-CB	SX-1845-CB	13.99	SX-1800-R	SX-1845-R
2 3/8"	60	13.99	SX-1900-GP	SX-1930-GP	SX-1945-GP	SX-1960-GP	13.99	SX-1900-CB	SX-1945-CB	13.99	SX-1900-R	SX-1945-R
2 1/2"	63	13.99	SX-2000-GP	SX-2030-GP	SX-2045-GP	_____	13.99	SX-2000-CB	SX-2045-CB	13.99	SX-2000-R	SX-2045-R
2 5/8"	66	13.99	SX-2100-GP	SX-2130-GP	SX-2145-GP	_____	13.99	SX-2100-CB	SX-2145-CB	_____	_____	_____

Size			Stellite (S) 100 Grit			Finishing (F) 150 Grit			Nickel Chrome 60 Grit		
Inch	mm	Jobber	00°	30°	45°	Jobber	00°	30°	Jobber	00°	30°
1/2"	12.7	---	---	---	---	---	---	---	\$23.99	SX-200-NC	---
9/16"	14.3	---	---	---	---	---	---	---	23.99	SX-200A-NC	---
5/8"	15.9	---	---	---	---	---	---	---	23.99	SX-300-NC	---
1 1/16"	17.4	---	---	---	---	---	---	---	23.99	SX-300A-NC	---
3/4"	19.1	---	---	---	---	---	---	---	23.99	SX-400-NC	---
1 3/16"	20.6	---	---	---	---	---	---	---	22.99	SX-400A-NC	---
7/8"	22	---	---	---	---	\$23.99	SX-500-F	SX-545-F	22.99	SX-500-NC	SX-545-NC
15/16"	24	---	---	---	---	23.99	SX-600-F	SX-645-F	22.99	SX-600-NC	SX-645-NC
1"	25	---	---	---	---	23.99	SX-700-F	SX-745-F	22.99	SX-700-NC	SX-745-NC
1 1/16"	27	---	---	---	---	23.99	SX-800-F	SX-845-F	22.99	SX-800-NC	SX-845-NC
1 1/8"	28	\$19.99	SX-900-S	SX-930-S	SX-945-S	19.99	SX-900-F	SX-930-F	19.99	SX-900-NC	SX-930-NC
1 3/16"	30	19.99	SX-900A-S	---	SX-945A-S	19.99	SX-900A-F	---	19.99	SX-900A-NC	---
1 1/4"	32	12.99	SX-1000-S	SX-1030-S	SX-1045-S	13.99	SX-1000-F	SX-1030-F	13.99	SX-1000-NC	SX-1030-NC
1 5/16"	33	12.99	SX-1000A-S	---	SX-1045A-S	13.99	SX-1000A-F	---	13.99	SX-1000A-NC	---
1 3/8"	35	12.99	SX-1100-S	SX-1130-S	SX-1145-S	13.99	SX-1100-F	SX-1130-F	13.99	SX-1100-NC	SX-1130-NC
1 1/2"	36	12.99	SX-1100A-S	---	SX-1145A-S	13.99	SX-1100A-F	---	13.99	SX-1100A-NC	---
1 5/8"	38	12.99	SX-1200-S	SX-1230-S	SX-1245-S	11.99	SX-1200-F	SX-1230-F	13.99	SX-1200-NC	SX-1230-NC
1 3/4"	39	12.99	SX-1200A-S	---	SX-1245A-S	11.99	SX-1200A-F	---	13.99	SX-1200A-NC	---
1 7/8"	41	12.99	SX-1300-S	SX-1330-S	SX-1345-S	11.99	SX-1300-F	SX-1330-F	13.99	SX-1300-NC	SX-1330-NC
1 11/16"	43	12.99	SX-1300A-S	---	SX-1345A-S	11.99	SX-1300A-F	---	13.99	SX-1300A-NC	---
1 3/4"	44	12.99	SX-1400-S	SX-1430-S	SX-1445-S	12.99	SX-1400-F	SX-1430-F	13.99	SX-1400-NC	SX-1430-NC
1 7/8"	47	12.99	SX-1500-S	SX-1530-S	SX-1545-S	12.99	SX-1500-F	SX-1530-F	13.99	SX-1500-NC	SX-1530-NC
2"	51	12.99	SX-1600-S	SX-1630-S	SX-1645-S	12.99	SX-1600-F	SX-1630-F	13.99	SX-1600-NC	SX-1630-NC
2 1/8"	54	12.99	SX-1700-S	SX-1730-S	SX-1745-S	14.29	SX-1700-F	SX-1730-F	13.99	SX-1700-NC	SX-1730-NC
2 1/4"	57	12.99	SX-1800-S	SX-1830-S	SX-1845-S	14.29	SX-1800-F	SX-1830-F	13.99	SX-1800-NC	SX-1830-NC
2 3/8"	60	12.99	SX-1900-S	SX-1930-S	SX-1945-S	17.99	SX-1900-F	SX-1930-F	13.99	SX-1900-NC	SX-1930-NC
2 1/2"	63	12.99	SX-2000-S	SX-2030-S	SX-2045-S	17.99	SX-2000-F	SX-2030-F	13.99	SX-2000-NC	SX-2030-NC
2 5/8"	66	---	---	---	---	---	---	---	15.99	SX-2100-NC	SX-2130-NC

All Valve Seat Wheels are guaranteed against manufacturing defects for 1 year from original purchase date



2 Angle Valve Seat Wheels

- Use with SX-HOLDER & SX-78 adaptor
- 30° one side, 45° on the other side

		General Purpose	Nickel-Chrome	Cool Blue
Inch	mm	Order No.	Order No.	Order No.
3"	76.2	SXL-2345-GP	SXL-2345-NC	SXL-2345-CB
3 1/4"	82.5	SXL-2445-GP	SXL-2445-NC	SXL-2445-CB
3 1/2"	88.9	SXL-2545-GP	SXL-2545-NC	SXL-2545-CB
3 3/4"	92.3	SXL-2645-GP	SXL-2645-NC	SXL-2645-CB
4"	101.6	SXL-2745-GP	SXL-2745-NC	SXL-2745-CB
Jobber		\$24.99	\$24.99	\$24.99

KWIK-WAY
Seat Grinding Equipment & Supplies®
MFG BY

GOODSON

Tools and Supplies for Engine Builders

Sioux-Style Valve Seat Grinding Kits

These kits include everything you need to get started in seat grinding. Choose between kits including 110V and 220V Star Drive Electric Grinders. After that, everything else in the kit is identical.

We started with the most common sizes of pilots and valve seat stones, but you can customize one of these kits to meet your specific needs. Call 1-800-533-8010 for additional information.

Description	OE Number	Jobber	Order No.	Includes	
45° Star Drive Motor Seat Grinding Set (110V, 50/60 Hz)		\$3199.99	SGK-110-KIT	▼	
45° Star Drive Motor Seat Grinding Set (220V, 50/60Hz)		3299.99	SGK-220-KIT	▼	
Star Drive Seat Grinder - 45° 110V, 50/60 Hz	031-3100-21	1399.99	031-3100-21	1	1
Star Drive Seat Grinder - 45° 220V, 50/60 Hz	031-3100-28	1499.99	031-3100-28	1	1
Universal Seat Wheel Dresser w/G-13P Diamond	-----	659.99	SWD-UNI	1	1
Replacement Dressing Diamond	-----	84.99	G-13P		
Dressing Stand Pilot	031-0202-55	149.99	031-0202-55	1	1
Stone Holder - 1/4" x 16 Thread	1702	179.99	SX-HOLDER	2	2
Heavy Duty Plastic Storage Box (21 1/2" x 12 1/2" x 13 1/2")	001-1000-25	51.99	SG-CASE	1	1
Seat Stone Removal Tool	-----	24.99	SX-SRT	1	1
Bounce Spring Set (3 Pc.)	-----	17.99	BSS-100	1	1
Leather Vibration Reducer (3 Pc.)	-----	11.99	SHW-3	1	1
.385" Top Pilots Dia./mm					
.2755" / 7.00mm		\$49.99	P-5275S	1	1
.2763" / 7.02mm		49.99	P-5277S	1	1
.2779" / 7.05mm		49.99	P-5278S	1	1
.3125" / 7.94mm		49.99	P-5312S	1	1
.3130" / 7.95mm		49.99	P-5313S	1	1
.3141" / 7.98mm		49.99	P-5314S	1	1
.3149" / 8.00mm		49.99	P-5315S	1	1
.3430" / 8.71mm		49.99	P-5343S	1	1
.3440" / 8.73mm		49.99	P-5344S	1	1
.3450" / 8.76mm		49.99	P-5345S	1	1
.3750" / 9.53mm		49.99	P-5375S	1	1
.3760" / 9.55mm		49.99	P-5376S	1	1
General Purpose Seat Grinding Stones (1/8"x16)	30°			45°	
1.375" / 35mm	\$13.99	SX-1130-GP	1	1	1
1.500" / 38mm	13.99	SX-1230-GP	1	1	1
1.625" / 41mm	13.99	SX-1330-GP	1	1	1
1.750" / 44mm	13.99	SX-1430-GP	1	1	1
1.785" / 47mm	13.99	SX-1530-GP	1	1	1
2.000" / 51mm	13.99	SX-1630-GP	1	1	1
2.125" / 54mm	13.99	SX-1730-GP	1	1	1
Finishing Valve Seat Grinding Stones (1/8"x16)	30°			45°	
1.375" / 35mm	\$13.99	SX-1130-F	1	1	1
1.500" / 38mm	11.99	SX-1230-F	1	1	1
1.625" / 41mm	11.99	SX-1330-F	1	1	1
1.750" / 44mm	12.99	SX-1430-F	1	1	1
1.785" / 47mm	12.99	SX-1530-F	1	1	1
2.000" / 51mm	12.99	SX-1630-F	1	1	1
2.125" / 54mm	14.29	SX-1730-F	1	1	1



45° Sioux-Style (SGK) Star Drive Electric Motor Unit

- Heavy duty electric motor
- 11,500 RPM
- Weighs 9 lbs.
- 3/5 HP • 7.5 Amps

Description	Jobber	Order No.
110V, 50/60Hz	\$1399.99	031-3100-21
220V, 50/60Hz	1499.99	031-3100-28



Enlarged to show detail

034-3112-00

Replacement Drive Assemblies

- 1/2" x 20 thread
- Easy to install
- Always keep one on hand for emergencies

Description	Jobber	Order No.
Star Drive (SGH)	\$74.99	034-3112-00

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

Seat Stone Holders, Adaptors & More

Valve Seat Stone Holders & Accessories

- Ball-bearing stone holders • Ideal replacements for worn holders • Save time by having several holders set up with commonly used sizes, compositions or angles of seat stones



031-0300-64 031-0300-85 031-0300-56 031-0300-30 KW-375 KW-375E KW-389 KW-437 SX-1672 SX-HOLDER SX-1702BB SX-375 BDS-HOLDER SUN-HOLDER

.437" Pilot, 13/16"x13 Thread Kwik-Way Stone Holders - Rebuildable

All Kwik-Way Holders are Rebuildable	Jobber	Order No.
Flex-Drive Stone Holder with Stabilizer & Coupling	\$439.99	031-0300-64
Flex-Drive Stone Holder only	349.99	031-0300-85
Hex-Drive Stone Holder w/o Spring Plunger	349.99	031-0300-56
Hex-Drive Stone Holder with Spring Plunger	389.99	031-0300-30
Hex Drive fits .375" Pilot 13/16"x13 thread	359.99	KW-375
Hex Drive Stone Holders - Non-Rebuildable		
Fits 375" Top Pilot 13/16"x13 thread	\$199.99	KW-375E
Fits .389" Top Pilot 13/16"x13 thread	199.99	KW-389
Fits .437" Top Pilot 13/16"x13 thread	199.99	KW-437



Accessories	Jobber	Order No.
Stabilizer Assembly with Bronze Bushing	\$54.99	031-0126-60
Heavy-Duty Twisted Cable Steel Coupling	84.99	031-0304-10
Replacement Hex Drive Body Cap	72.99	031-0302-95
Replacement Spring Plunger Assembly	9.99	031-0313-97
Leather Vibration Reducer (3 pc.) For KW-Holders	11.99	KHW-3
Valve Seat Stone Removal Tool	24.99	KW-SRT

Rebuild Kits

For Hex Drive Stone Holder without Spring Plunger Includes 2 Bearings, Bearing Sleeve, Bearing Lock Nut, Sleeve Key, Hex Cap & Garter Spring
Jobber \$189.99 Order No. **034-0002-00**

For Hex Drive Stone Holder with Spring Plunger

Includes 2 Bearings, Bearing Sleeve, Bearing Lock Nut, Sleeve Key, Hex Cap & Spring Plunger
Jobber \$199.99 Order No. **034-0002-15**

For Flex Drive Stone Holder

Includes 2 Bearings, Bearing Sleeve, Heavy Duty Flex Coupling, Inner Sleeve Key & Set Screw
Jobber \$279.99 Order No. **034-0003-25**

Rebuild kit components are not available individually

.385" Pilot, 11/16"x16 Thread Sioux-Style Stone Holders

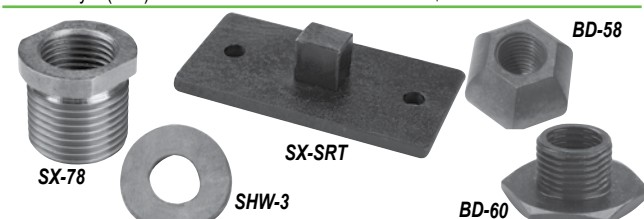
Description	OAL	OE #	Jobber	Order No.
Short Body (Star)	3 1/2"	1672	\$139.99	SX-1672
Star Drive	4 3/4"	11/16"x16 thread	179.99	SX-HOLDER
5/8" Hex Drive	5"	1702BB	199.99	SX-1702BB

.375" Pilot Stone Holders, 11/16" x 16 Thread

Star Drive	4 3/4"	11/16"x16 thread	\$199.99	SX-375
Black & Decker Style 9/16"x16 Thread BD-HOLDER			199.99	BDS-HOLDER
Includes BD-60 adaptor to convert 9/16"x16 to 11/16"x16 Sioux-style stones				

.389" Pilot Stone Holders, 11/16" x 16 Thread

Sioux-Style (Star)	4 3/4"	1702	\$199.99	SUN-HOLDER
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Accessories	Jobber	Order No.
Sioux-Style Conversion Bushings 11/16"x16 to 7/8"x14	\$ 9.99	SX-78
Leather Vibration Reducer (3 pc.) For SX-Holders	11.99	SHW-3
Standard Bounce Spring Set (3pc.)	17.99	BSS-100
Valve Seat Stone Removal Tool	24.99	SX-SRT
Black & Decker 9/16" Hexball 9/16"x24 thread	59.99	BD-58
9/16"-16 to 11/16"-16 Adaptor for Sioux Style	9.99	BD-60

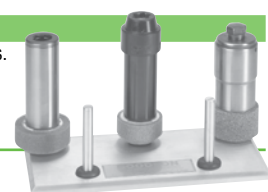


Grinding Wheel Adaptors

Description	Jobber	Order No.
13/16"-13 (KW) Threaded Stones to 11/16"-16 Threaded Holders (Sioux™, KO Lee)	\$59.99	031-0390-02
13/16"-13 (KW) Threaded Stones to 9/16"-16 Threaded Holders (Black & Decker)	59.99	031-0391-00
13/16"-13 (KW) Threaded Stones to 2 1/2"-18 Threaded Holders (Kwik-Way)	59.99	031-0393-04

Billet Aluminum Tooling Stand

Accommodates tooling using 5/8" or larger pilots.
Perfect for stone holders! Size: 8 1/2"W x 4"D
Room for up to 5 tools. Pegs: 2 1/2" tall
Jobber \$49.99 Order No. **TS-5**

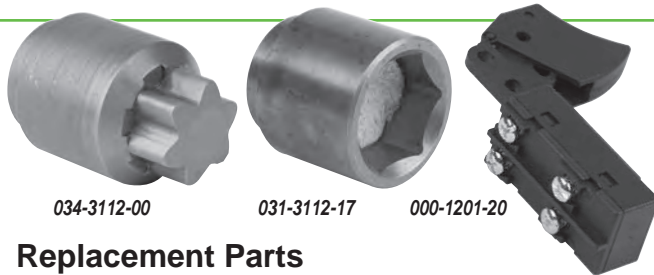


Air & Electric Seat Grinder Motors

45° (SGK) Sioux-Style Star Drive Electric Motor Unit

- Heavy duty • 11,500 RPM (free speed)
- 6982 RPM (under load) • 9 lbs. • 3/5 HP
- 7.5 amps • Use with SX Stone Holder (page 20)

Description	Jobber	Order No.
110V, 50/60Hz	\$1399.99	031-3100-21
220V, 50/60Hz	1499.99	031-3100-28
Replacement Nose Assembly	739.99	034-3105-00
Replacement Star Drive Assembly	74.99	034-3112-00



Replacement Parts

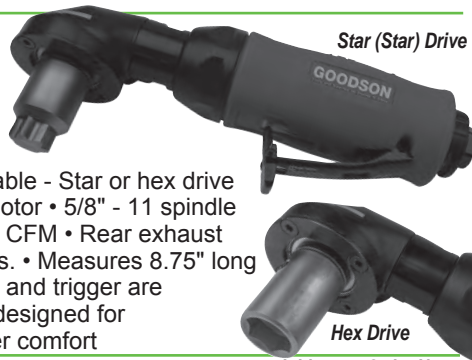
- Easy to install • Always keep on hand for emergencies

Description	Jobber	Order No.
Star Drive (SGK) 1/2 x 20 thread	\$74.99	034-3112-00
Hex Drive with Leather Washer (SGH) 1/2 x 20 thread	74.99	031-3112-17
Replacement Leather Pad	4.99	031-1009-41
Trigger Switch	39.99	000-1201-20

90° Angle High-Speed Air Driver

- 2 models available - Star or hex drive
- 11,000 RPM motor • 5/8" - 11 spindle
- 1/4" air inlet • 6 CFM • Rear exhaust
- Weighs 2.25 lbs. • Measures 8.75" long
- Composite grip and trigger are ergonomically designed for unmatched user comfort

Description	Jobber	Order No.
Star Drive (SGK) 5/8" - 11 spindle	\$339.99	AG-SX90
Hex Drive (SGH) 5/8" - 11 spindle	339.99	AG-KW90



Valve Seat Angle Grinder Adaptors

- Turn your 4 1/2" Angle Grinder with 5/8"x11 threads into a Valve Seat Grinder
- Available for Sioux and Kwik-Way drives
- Stone holders and pilots available separately

Description	OAL	Jobber	Order No.
Star-Drive (SGK) Adaptor	1 1/2"	\$99.99	SW-SX
Hex Socket (SGH) Adaptor	1 1/2"	99.99	SW-KW



Kwik-Way 45° Hex Drive (SGH) Electric Motor Unit

- Heavy duty • 11,500 RPM (free speed)
- 6982 RPM (under load) • 9 lbs. • 3/5 HP
- 7.5 amps • Use with Hex Drive Stone Holders (page 20)

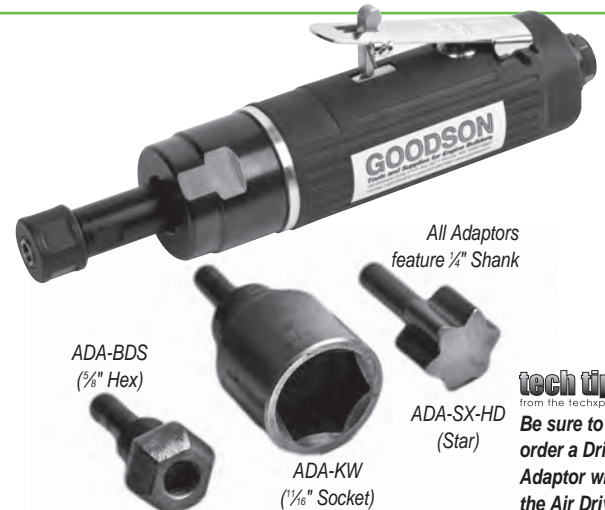
Description	Jobber	Order No.
110V, 50/60Hz	\$1399.99	031-3100-20
220V, 50/60Hz	1399.99	031-3100-12
Replacement Nose Assembly	749.99	031-3105-17
Hex Drive Assembly with Leather Washer	74.99	031-3112-17



Extended Nose Electric Seat Grinding Motor

- Extended drive allows easy access to aircraft engines including Lycoming and Continental
- Star drive for use with Sioux-Style stone holders
- Available in 110V or 220V models
- 11,500 RPM (free speed) / 6982 RPM under load
- Weighs 12 lbs. • 3/5 HP, 7.5 AMP motor

Description	Jobber	Order No.
110V Extended Nose Unit	\$1699.99	SGL-SL110
220V Extended Nose Unit	1799.99	SGL-SL220
Star Drive (SGK) 1/2 x 20 thread	74.99	034-3112-00



Universal 4500 RPM Air Driver & Adaptors

- Planetary gear set-up reduces speed to 4500 RPM for best finish, more control and increased torque
- Use vertically to reduce side load on stones
- Weighs just 2 lbs./ .91 kg
- Adaptors available for a variety of stone holders
- Precision clamping collet and wrenches included
- Use with bounce springs (page 22) for best results

Description	Jobber	Order No.
4500 RPM Air Driver	\$119.99	AG-4500
Hexball Driver	79.99	ADA-BDS
Kwik-Way Drive Adaptor	79.99	ADA-KW
Sioux-Style Drive Adaptor	89.99	ADA-SX-HD

Goodson
exclusive**Universal
Valve Seat Wheel
Dressing Stand**

- Infinitely adjustable from 0° to 90°
- Scale marked in 1° increments
- Dress stones up to 4" diameter
- Includes Premium dresser diamond & dresser pilot
- Base has pre-drilled holes for easy mounting to your bench
- **Choose dresser pilot separately from chart below**



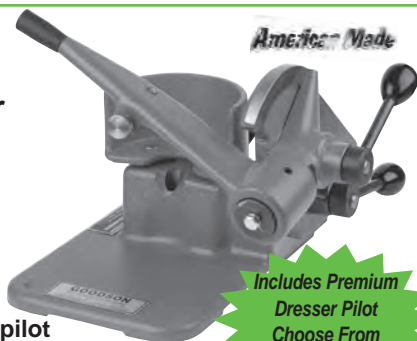
Includes
Premium Dresser Pilot
Choose From
Chart Below

Description	Jobber	Order No.	Incl.
Universal Dressing Stand	\$659.99	SWD-UNI	▼
Replacement Premium Dressing Diamond	84.99	G-13P	x
Dressing Stand Riser Bushings (.250" & .875" Tall)	9.99	SK-9-10	x
Dressing Stand Riser Bushings (For .437" dresser pilots)	10.99	SK-11-12	
Replacement Parts			
Spring Detent	\$ 19.99	SWD-UNI-DET	
Arm Assembly with Spring & Plunger	239.99	SWD-UNI-ARM	

See pages 16-21 for valve seat stones, stone holders, air drivers, etc.

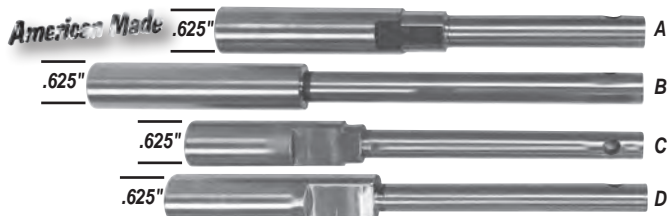
**Heavy Duty
Valve Seat
Wheel Dresser**

- Ball bearing mounted diamond carrier
- Adjustable in 1° increments from 0° to 90°
- Includes diamond
- **Choose dressing pilot separately from list below**
- Designed for maximum accuracy



Includes Premium
Dresser Pilot
Choose From
Chart Below

Description	Jobber	Order No.
Heavy Duty Dresser	\$1229.99	031-1900-02
Replacement Torsion Spring for 031-1900-02	34.99	000-1850-78
Replacement Brass Plug	24.99	031-1917-00
Replacement Diamond Dresser	37.99	G-18

**Valve Seat Wheel Dresser Pilots for
Universal & Heavy Duty Wheel Dressers**

- .437" top pilots include a groove

Dresser Pilots (select based on stone holder type) - .625" bottom size			
Fits Stone Holder Type	OAL	Jobber	Order No.
A .437" Hex Stone Holder	5 1/2"	\$149.99	031-1102-89
B .437" Hex or Flex Stone Holder	7 1/4"	149.99	031-0202-80
C .385" Top Stone Holder	6"	149.99	031-0202-55
D .375" Top Stone Holder	6 3/4"	149.99	031-0202-47

Stones and Holders
sold separately

**Seat Stone Removal Tool**

Once in a while a valve seat stone will be so tight on the stone holder that it's almost impossible to get off. That's why we came up with this tool. Simply fasten it to your bench with screws or bolts (not included) or clamp it in a vise, place the holder onto the fixture and twist the stone off easily.

Description	Jobber	Order No.
Sioux-Style	\$24.99	SX-SRT
Kwik-Way Style	24.99	KW-SRT

Valve Seat Height Gauge

- Adjusts for all popular valve seat diameters • Gauge accurate to .001"
- Seat contact probe aligns on valve seat while gauge rides along the fire deck • Pilot aligns in valve guide
- Fully adjustable seat contact probe and gauge positions allow tool to fit popular seat diameters from .750" to 3.00"
- Includes Dial Indicator



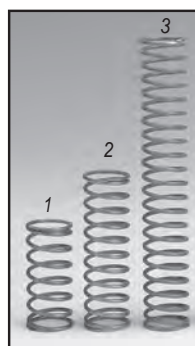
Description	Fits Pilot	Jobber	Order No.
Valve Seat Height Gauge Kit	.375"	\$94.99	VSHG-375
Replacement Dial Indicator		28.99	EDI-1

tech tips

Goodson recommends using Bounce Springs with your Valve Seat Stones to prevent damage to the stone and the from the techxperts™ seat. This is especially important with the very small stones.

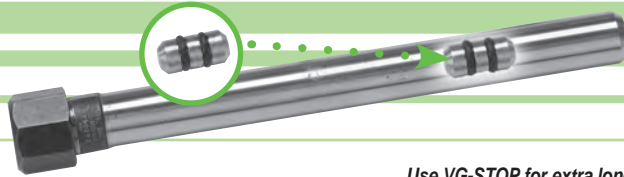
**Standard
Bounce Spring Set**

- Includes 1 each of 3 lengths: 1" / 24.5mm, 1.50" / 38.1mm and 2" / 50.8mm
- ID = .450" / 11.4mm
- OD = .570" / 14.5mm
- Order No. **BSS-100**
- Jobber \$17.99

**Small Diameter
Bounce Springs**

- ID = .406" / 10.3mm
- OD = .500" / 12.7mm

Length / mm	Jobber	Order No.
1.10" / 27.9	\$8.99	BS-1
1.67" / 42.4	8.99	BS-2
3.00" / 76.2	8.99	BS-3



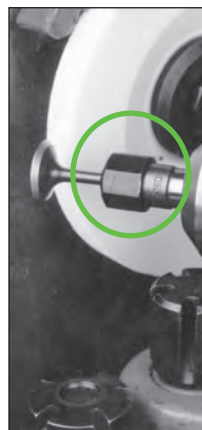
Valve Refacing

Adaptor for 1/2" Chucks

Use VG-STOP for extra long stemmed valves

- For small diameter valves • Collet cover range from 2.8mm to 6.5mm
- Hardened steel collet holder fits any machine with a 1/2" chuck
- Collet seats in retainer nut for fast, easy removal
- Internal stop adjusts, allowing you to reface an entire set of valves to identical specs quickly
- Start with the set then replace collets as needed (**collets will not work without the holder**) • Use the Adaptor Stop to machine longer valve stems

Description	Range	Jobber	Order No.	Incl.
Full Set		\$319.99	UVRC-46	▼
Steel Collet Holder (collets MUST be used)		205.99	UVRC-46R	x
Replacement Collets	2.8 to 3.2mm (.109" to .125")	38.99	UVRC-18	
	3.0 to 3.5mm (.118" to .138")	38.99	UVRC-3.5MM	
	3.5 to 4.0mm (.138" to .158")	38.99	UVRC-4.0MM	x
	4.0 to 4.5mm (.158" to .177")	38.99	UVRC-4.5MM	
	4.4 to 4.8mm (.172" to .1875")	38.99	UVRC-316	
	4.5 to 5.0mm (.177"-.196")	38.99	UVRC-5MM	x
	4.8 to 5.2mm (.1875" to .203")	38.99	UVRC-1364	
	5.0 to 5.5mm (.196" to .216")	38.99	UVRC-5.5MM	x
	5.5 to 6.0mm (.216" to .236")	38.99	UVRC-6.0MM	x
	6.0 to 6.5mm (.236" to .256")	38.99	UVRC-6.5MM	x
Replacement Nut		49.99	UVRC-NUT	
Adaptor Stop		13.99	VG-STOP	x



Valve Stem to Valve Face Concentricity Gauge

- Accurate to .001"
- Features a rugged, positive stop – set it once and do an entire set of valves • Use before grinding to eliminate needless cleaning & machine time • Use after refacing to ensure stem concentricity • Also check pilots and other small parts for concentricity
- For stems as small as 4mm
- Order No. **VCG-16** Jobber \$249.99



CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

Diamond Dresser Tools for Common Valve Refacers

- Select from Standard or Premium Grade • See the complete assortment of diamond dresser tools on pages 106 and 107.

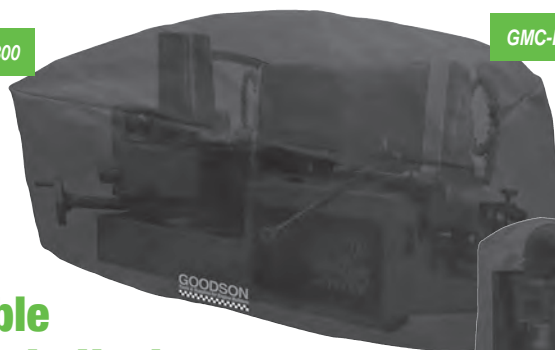
Machine	Description	Carat	Jobber	Standard	Jobber	Premium
Valve Refacers	B&D, Skil, Sioux™, Thor, VanDorn, WVN	3/8" x 1 1/2"	\$37.99	G-1	\$74.99	G-1P
	Kwik-Way, Tobin Arp (S&D)	5/16" x 2 1/2"	37.99	G-3	—	—
	Kwik-Way, Valve Master (1714)	1/2" x 3 1/4" 20NF	39.99	G-4	—	—
	Sioux™ (1713, 1715), IDL, WVN (CG50, CG80)	3/8" x 2 3/4" 24NF	39.99	G-5	74.99	G-5P
	IDL, WVN (CG-50, CG-80)	3/8" x 3 1/4" 24NF	44.99	G-80	—	—
	US	7/16" x 2"	37.99	G-6	—	—
	Skil (Talent)	5/16" x 2 1/4" 18NC	39.99	G-9	—	—
	Kwik-Way	7/16" x 2 3/4" 20NF	37.99	G-17	74.99	G-17P



GMC-RIMAC



GMC-AG300



GMC-KW



GMC-VST

GMC-PRF



Protect Your Valuable Machines When Not In Use!

Sun-Dura® Canvas Machine Covers

- Heavy-weight, breathable black Sun-Dura® fabric won't hold in moisture
- Several sizes to fit a variety of machines • All covers will fit other machines, just match your machine's dimensions to the cover dimensions
- Covers are opaque, pictures for demonstration only

Fits Machine	Dimensions	Jobber	Order No.
Goodson Ring Filer	13"L x 7 1/2"D x 7 1/2"H	\$ 29.99	GMC-PRF
Rimac Spring Tester	32" Dia. x 18 1/2"H, tapers to 3" sq.	29.99	GMC-RIMAC
Goodson VST-60G Spring Tester	10"L x 14"D x 18"H	39.99	GMC-VST
Sioux 2075 Valve Refacer	35"L x 27"D x 16"H	59.99	GMC-SX
Kwik-Way SVS II Valve Refacer	35"L x 15"D x 12"H, trapezoid shape	59.99	GMC-KW
Sunnen AG-Series Precision Gauge	8"L x 8"W x 4"D	36.99	GMC-AG300

Precision made wheels – superior performance

We stock more than 40 individual valve refacer wheels, each one designed for a specific machine. Our 4" general purpose wheel for Black & Decker is different from our 4" general purpose wheel for Sioux™. We won't compromise on performance just to simplify our inventory. Your valve refacer requires a certain type of grit, grade and bond and Goodson delivers. All Goodson Valve Refacing Wheels are designed to be used with mineral based grinding oils such as VGO-10 or VGO-SD10. Goodson guarantees all valve refacing wheels against manufacturing defects for 1 year from original purchase date.

Choose from these types: **ST** = for grinding stainless, **S** = for grinding Stellite, **T** = for grinding Titanium, **GP** = for general purpose grinding and **CB** = for general purpose grinding of harder materials.

Stone color may vary due to manufacturing process.

To Fit	Use	Dia x Ht x Arb	Shape	Type	Color	Fits Models	OE No.	Jobber	Order No.
Black & Decker	Valve	4" x 1" x 5/8"	Offset	CB	Blue	A, B, C, LW, M, MW, N, NW, NWB	Goodson Spec	\$ 32.99	GV-146-CB
		4" x 1" x 5/8"	Offset	S	Ruby	A, B, C, LW, M, MW, N, NW, NWB	16371	30.99	GV-144
		4" x 1" x 5/8"	Offset	GP	Gray	All but 680, 682, 285, 956		33.99	GV-147
		4" x 1" x 5/8"	Offset	GP	Black	All but 680, 682, 285, 956		57.99	GV-148
		4" x 1" x 5/8"	Offset	T	Green	All but 680, 682, 285, 956	Goodson Spec	47.99	GV-150
Comec	Valve	5" x 1" x 5/8"	Offset/20°	GP	Pink	P, PC, PCB, T, TD, TG	34131	46.99	GV-156
		4" x 1 1/8" x 1/2"	Cup	GP	Ruby	All models	20939	32.99	GV-145
		215 x 35 x 76mm	Flared	GP	Gray	VR416, RV-516	7604	169.99	GV-925
		215 x 35 x 76mm	Flared	S	Brown	VR416, RV-516	Goodson Spec	169.99	GV-980
		100 x 50 x 20mm	Cup	GP	White	VR416, RV-516	7606	54.99	GV-928
IDL Sunnen®	Valve	8" x 1 1/4" x 1 1/2"	Flared	GP	White	CG-50,-80,-82, V-90, VR-7000	8230	139.99	GV-823
		8" x 1 1/4" x 1 1/2"	Flared	GP	Gray	CG-50,-80,-82, V-90, VR-7000	VR1703	184.99	GV-825
		8" x 1 1/4" x 1 1/2"	Flared	S	White	CG-50,-80,-82, V-90, VR-7000	Goodson Spec	121.99	GV-821
		8" x 1 1/4" x 1 1/2"	Flared	T	Green	CG-50,-80,-82, V-90, VR-7000	VR1704	127.99	GV-827
		8" x 1 1/4" x 1 1/2"	Flared	GP	Ruby	CG-80, CG-82, V-90, VR-7000	VR1701	106.99	GV-824
Kwik-Way	Valve	4 1/2" x 7/8" x 7/8"	Offset	GP	Black	CV, SK, KK, VC, SM, SV, XC	010-0450-10	59.99	GV-257
		4 1/2" x 7/8" x 7/8"	Offset	S	Gray	CV, SK, KK, VC, SM, SV, XC	010-0457-03	41.99	GV-259
		5" x 7/8" x 7/8"	Offset	GP	White	EVS, VS	Goodson Spec	59.99	GV-251
		5" x 7/8" x 7/8"	Offset	GP	Gray	EVS, VS	010-0509-01	59.99	GV-252
		5" x 7/8" x 7/8"	Offset	T	Green	EVS, VS	010-0508-04	124.99	GV-255
		7" x 1" x 7/8"	Offset	GP	Gray	SVS, SVS-2	010-0709-00	61.99	GV-280
		7" x 1" x 7/8"	Offset	CB	Blue	SVS, SVS-2	Goodson Spec	69.99	GV-280-CB
		7" x 1" x 7/8"	Offset	S	White	SVS, SVS-2	010-0707-50	109.99	GV-281
		7" x 1" x 7/8"	Offset	T	Green	SVS, SVS-2	010-0708-05	189.99	GV-282
		7" x 1" x 7/8"	Offset	T	Green	SVS, SVS-2	Goodson Spec	92.99	GV-282A
		7" x 1 9/16" x 7/8"	Offset	GP	Orange	SVS, SVS-2	Radiac Spec	69.99	F372239 Radiac
		7" x 1 9/16" x 7/8"	Offset	GP	Ruby	SVS, SVS-2	Radiac Spec	72.99	F377419 Radiac
		8" x 1 3/8" x 7/8"	Offset	GP	Gray	VL	010-0819-04	109.99	GV-260
		3" x 1 1/4" x 5/8"	Cup	GP	Gray	All Models except VL	Radiac Spec	44.99	F336036 Radiac
		3" x 1 1/4" x 5/8"	Cup	GP	Gray	All Models except VL	010-0300-05	21.99	GV-237
KO Lee	Valve	3" x 1 1/4" x 5/8"	Cup	CB	Blue	All Models except VL	Goodson Spec	26.99	GV-237-CB
		5" x 3/4" x 5/8"	Offset	GP	Gray	All models	OV5GH60	89.99	GV-658
		5" x 3/4" x 5/8"	Offset	S	White	All models	OV5GH80S	64.99	GV-659
Rottler	Stem	4" x 1" x 5/8"	Cup	GP	Gray	K500(C) & K403(C)	RV4KH60	29.99	GV-345
		4" x 1" x 5/8"	Cup	CB	Blue	All	Goodson Spec	32.79	GV-345-CB
		7" x 1" x 7/8"	Offset	GP	Gray	VR-7	VTRW-8	61.99	GV-280
Rottler	Valve	7" x 1" x 7/8"	Offset	T	Green	VR-7	VTRW-7	189.99	GV-282
		7" x 1" x 7/8"	Offset	S	White	VR-7		109.99	GV-281
		7" x 1" x 7/8"	Offset	T	Green	VR-7	Goodson Spec	92.99	GV-282A
		7" x 1" x 7/8"	Offset	GP	Orange	VR-7	Radiac Spec	69.99	F372239 Radiac
		7" x 1" x 7/8"	Offset	GP	Ruby	VR-7	Radiac Spec	72.99	F377419 Radiac
		8" x 1 1/4" x 1 1/2"	Flared	GP	Gray	VR-8	Goodson Spec	229.99	GV-525
		9" x 1 1/4" x 1 1/2"	Offset	GP	Orange	VR-9, VR-12		154.99	GV-725
		9" x 1 1/4" x 1 1/2"	Offset	S	Pink	VR-9, VR-12		139.99	GV-726
		9" x 1 1/4" x 1 1/2"	Offset	T	Green	VR-9, VR-12		139.99	GV-727
		9" x 1 1/4" x 1 1/2"	Offset	S	Ruby	VR-9, VR-12	Nitrite Coated Diesel	175.99	GV-728
		3" x 1 1/4" x 5/8"	Cup	GP	Gray	VR-7	VTRW-9	21.99	GV-237
		3" x 1 1/4" x 5/8"	Cup	CB	Blue	All Models except VL	Goodson Spec	26.99	GV-237-CB
		3" x 1 1/4" x 5/8"	Cup	GP	Gray	VR-7	Radiac Spec	44.99	F336036 Radiac
		100 x 50 x 20mm	Cup	GP	White	VR416, VR-516, VTRW-3	7606	54.99	GV-928

Colors may vary due to manufacturing processes. All valve refacing wheels are guaranteed for 1 year from original purchase date.



Valve Refacing Wheels

Colors may vary due to manufacturing processes. All valve refacing wheels are guaranteed for 1 year from original purchase date.



To Fit	Use	Dia x Ht x Arb	Shape	Type	Color	Fits Models	OE No.	Jobber	Order No.
Skil	Valve	5" x 3/4" x 5/8"	Offset	GP	Gray	All models	7556/VW80	\$89.99	GV-658
		5" x 3/4" x 5/8"	Offset	S	White	All models	VW80S	64.99	GV-659
Snap-On	Stem	4" x 1" x 5/8"	Cup	GP	Gray	All but Skil 491	7557/VR2M89	29.99	GV-345
		4" x 1" x 5/8"	Cup	CB	Blue	All but Skil 491	Goodson Spec	32.79	GV-345-CB
Sioux™	Valve	4" x 1" x 5/8"	Offset	CB	Blue	All but 680, 682, 285, 956	Goodson Spec	32.99	GV-146-CB
		4" x 1" x 5/8"	Offset	GP	Gray	All but 680, 682, 285, 956	78SP	33.99	GV-147
		4" x 1" x 5/8"	Offset	GP	Black	All but 680, 682, 285, 956	78E	57.99	GV-148
		4" x 1" x 5/8"	Offset	S	Ruby	All but 680, 682, 285, 956	Goodson Spec	30.99	GV-144
		4" x 1" x 5/8"	Offset	T	Green	All but 680, 682, 285, 956	Goodson Spec	47.99	GV-150
		5" x 1" x 5/8"	Offset/20°	GP	Pink	Thor 299 & 300	Goodson Spec	46.99	GV-156
		7" x 1 1/16" x 1 3/4"	Str./15°	GP	Orange	680, 956, 2001 & 2075	Goodson Spec	56.99	GV-270
		7" x 1 1/16" x 1 3/4"	Str./15°	CB	Blue	680, 956, 2001 & 2075	Goodson Spec	51.99	GV-270-CB
		7" x 1 1/16" x 1 3/4"	Str./15°	S	White	680, 956, 2001 & 2075	177	59.99	GV-271
		7" x 1 1/16" x 1 3/4"	Str./15°	T	Green	680, 956, 2001 & 2075	174	132.99	GV-272
		7" x 1 1/16" x 1 3/4"	Str./15°	GP	Ruby	2001, 2075, 680 & 956	Radiac Spec	54.99	A379613 Radiac
		7" x 1 1/16" x 1 3/4"	Str./15°	T	Green	2001, 2075, 680 & 956	Radiac Spec	49.99	A340229 Radiac
	Stem	4" x 1" x 5/8"	Cup	GP	Gray	All but 682 & 685	81 (73533)	29.99	GV-345
		4" x 1" x 5/8"	Cup	CB	Blue	All but 682 & 685	Goodson Spec	32.79	GV-345-CB
		4" x 1" x 5/8"	Offset	GP	Gray	All but 682 & 685	Radiac Spec	39.99	F336037 Radiac
Sunnen® (TA) S&D	Valve	6" x 1 1/16" x 3/4"	Flared	GP	Black	VR6500, all S&D	VR602	144.99	GV-766
		6" x 1 3/8" x 3/4"	Flared	GP	Gray	VR6500	Radiac Spec	139.99	F345291 Radiac
	Stem	5" x 1 1/2" x 3/4"	Cup	S	White	VR6500, all S&D	VR601	79.99	GV-755
Winona	Valve	5" x 3/4" x 5/8"	Off./Bev.	GP	Gray	E, Y, YW, X, XA	75399	89.99	GV-658
		5" x 3/4" x 5/8"	Off./Bev.	S	White	K500HM, K403CM	75400	64.99	GV-659
Norman	Stem	4" x 1" x 5/8"	Cup	GP	Gray	All but 500 & CRW	40352	29.99	GV-345
		4" x 1" x 5/8"	Cup	CB	Blue	All but 500 & CRW	Goodson Spec	32.79	GV-345-CB

Colors may vary due to manufacturing processes. All valve refacing wheels are guaranteed for 1 year from original purchase date.



Mineral Based Valve Grinding Oil

- Long-lasting • Cools while grinding
- Removes particles for a better finish
- Inhibits rust • Prevents rancidity, foaming & deposits

Quantity	Jobber	Order No.
1 gallon / 3.79 L	\$ 29.99	VGO-10
5 gallons / 18.93 L	139.99	VGO-50



Valve Grinding Aid For Titanium, Stainless & Stellite Valves

- Not water soluble - add to your mineral based Valve Grinding Oil for better finish on titanium, stainless steel and stellite valves
- Mix ratio: 1:4 • Won't hinder your regular valve grinding process
- Seeks out, and bonds to hot metals
- Ideal for grinding hard metal racing valves • 32 oz. / 946 mL
- Order No. **VGA-T32** Jobber \$44.99



Mix 1 part grinding aid to 4 parts refacer oil



Severe Duty Mineral Based Valve Refacer Oil For Titanium, Inconel®, Stainless Steel & Stellite

- Mineral Based
- Includes additives to improve cutting performance under high pressure

Size	Jobber	Order No.
1 gallon / 3.79 L	\$ 34.99	VGO-SD10
5 gallons / 18.93 L	174.99	VGO-SD50

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



"I make sure all Goodson products are packaged properly and include instructions and other important information for you."

- Craig Goodson Receiving - 6 years of service

tech tips

from the techxperts™

For best results,
limit speed to
175 RPM

High Speed Steel Core Drill/Reamers

- Save time – drill and ream in a single pass
- Top-quality, high speed steel
- Prepares the guide bore for standard OD valve guide inserts
- Several shank designs to fit most Seat & Guide machines
- For best results limit speed to 175 RPM

Fits	Size	mm	Jobber	Order No.
Peterson and K.I.	.375" x .500"	9.5x12.7	\$199.99	CDR-6197G
½" round shank				
Serdi	.275" x .437"	7.0x11.1	\$199.99	CDR-7192G
¾" with flat	.275" x .500"	7.0x12.7	199.99	CDR-7193G
	.312" x .437"	7.9x11.1	199.99	CDR-7194G
	.312" x .500"	7.9x12.7	199.99	CDR-7195G
	.343" x .500"	8.7x12.7	199.99	CDR-7196G
	.375" x .500"	9.5x12.7	199.99	CDR-7197G
Cobalt Core Drills/Reamers				
	.275" x .437"	7.00x11.1	\$199.99	CDR-274-CB
½" round shank	.275" x .500"	7.00x12.7	199.99	CDR-275-CB
	.311" x .5628"	7.90x14.3	199.99	CDR-563-CB
	.312" x .500"	7.92x12.7	199.99	CDR-312-CB
	.343" x .500"	8.71x12.7	199.99	CDR-343-CB
	.373" x .625"	9.47x16.5	199.99	CDR-625-CB
	.375" x .500"	9.53x12.7	199.99	CDR-375-CB

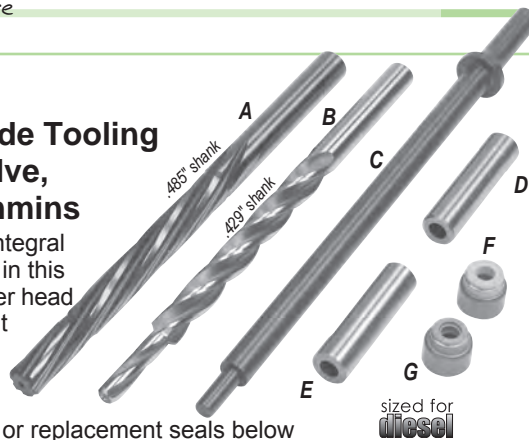
High Speed
Steel Core Drill/
Reamers are
62 to 64 Rc

Steam-Oxide
Coating for Chip
Lubricity



Valve Guide Tooling For 24 Valve, 7mm Cummins

- To replace integral guides used in this diesel cylinder head
- Replacement guides are .502/.511" stepped to use with OE or replacement seals below



Description	Jobber	Order No.	Includes
Complete Kit	\$399.99	CVG-KIT	▼
Tooling Kit Only	299.99	CVG-59KIT	▼
A Core Reamer (.426" pilot, .485" shank)	159.99	CCR-59	1 1
B Core Drill (7mm pilot, .429" shank)	159.99	CCD-59	1 1
C Guide Driver (7.0mm)	22.99	PHL-2235-G	1 1
D Cast Iron Valve Guide (Exhaust)	3.99	CIG-3022	12
E Cast Iron Valve Guide (Intake)	3.99	CIG-3021	12
F Exhaust Seals (12 pk.)	13.99	CVS-59E	1
G Intake Seals (12 pk.)	13.99	CVS-59i	1

Check these other tools for diesel applications

sized for
diesel

Black Smoke Series Valve Seat Cutters & Diesel Relief Tooling..... page 9
Air Powered Valve Guide Drivers page 31
Valve Guides..... page 32
Pneumatic Valve Spring Compressor..... page 38
Heat Tabs..... page 52

Piloted Core Drills and Reamers

- CNC-machined to .0003" T.I.R. or less
- Ideal for any Bridgeport-type (collet driven) machine
- Use dry at 175 to 225 RPM

Piloted Core Drills

- Center accurately in the guide
- Cutting angle prevents the bit from wandering due to irregular guide wear
- Flutes are designed to enlarge bores quickly

Precision Reamers


- Pilot size is carefully matched to the OD of the related core drill
- Assures accurate location of the reamer for smooth, vibration free operation
- Gives proper interference fit to match manufacturer specifications

American Made

High Speed
Steel Core Drill/
Reamers are
65 to 67 Rc

Bronze-Oxide
Coating for
Chip Lubricity



Core Drills						Core Reamers				
	OD	Pilot	OE No.	Jobber	Order No.	OD	OE No.	Jobber	Order No.	
DCM Tech,	.4687"	.312"	DP-1550	\$109.99	DPP-1511B	.500"	66-02147, RR-115	\$109.99	DRR-115	
Peterson / K.I.	.4687"	.344"	66-02138, DP-1511	109.99	DPP-1511	.500"	66-02147, RR-115	109.99	DRR-115	
½" Round										
Sunnen® /	.490"	.312"	VGS-156A	109.99	DTA-2082B	.500"	VGS-162A	109.99	DRT-2097	
Tobin-Arp	.490"	.343"	VGS-152A	109.99	DTA-2082	.500"	VGS-162A	109.99	DRT-2097	
½" with Flat	.490"	.371"	VGS-153A	109.99	DTA-2083	.500"	VGS-162A	109.99	DRT-2097	
Universal	.429"	7mm	sized for diesel	159.99	CCD-59	.4365"	Use for Ford 6.0L Diesel	133.99	FCR-60-1	
.429" Round	.429"	7mm		159.99	CCD-59	.4375"	Use for Ford 6.0L Diesel	133.99	FCR-60	
Shank	.429"	7mm		159.99	CCD-59	.4995"	Use for 24V Cummins	159.99	CCR-59	
	Use Core Drill/Reamers (CDR) in chart above for sizing					.562"	.500" pilot	159.99	CCR-562B	
	.541"	8mm		159.99	CCD-550	.550"	Use for 12V, 5.9 Cummins	159.99	CCR-550	

Note: For the best performance, Core Drills and Reamers should be used in matched pairs. If you order a drill slightly smaller or larger than the OE specification to fit your machine, please order the matching reamer listed immediately to the right of the drill in the table.

Bronze Reaming Oil

- Prevents build-up • Extends reamer life • Improves valve guide finish

Size	Jobber	Order No.
1 Pint / 473.2mL	\$ 9.99	BW-303-G
1 Quart / 946.4mL	15.99	BW-303A-G
1 Gallon / 1.893L	35.99	BW-305-G



tech tips
from the techxperts™

For best results always use Carbide Reamers with Bronze Reaming Oil (BW-303A-G)

Extended non-cutting pilot section for easier alignment with the guide

Pilot portion of reamer features 4 flutes to deliver more cutting oil to the work piece

Reamer body features 8 flutes to cut bronze valve guides quickly, accurately and repeatably

tech tips
from the techxperts™

Once used on cast iron, do **NOT** use on bronze.

Small Reamers for Cast Iron or Bronze

- Premium quality reamers with tough cobalt flutes for long life in cast iron or bronze • Square drive shank
- Use at 200 to 300 RPM
- OAL is 4.50" (nominally)

Inch	mm	Shank Dia.	Drive Dia.	Jobber	Order No.
.1575"	4.00	.152"	.112"	\$ 89.99	MR-4MM
.1771"	4.50	.173"	.112"	89.99	MR-4.5MM
.1968"	5.00	.187"	.138"	89.99	MR-5.0MM
.1980"	5.03	.187"	.136"	89.99	MR-198
.2165"	5.50	.206"	.162"	99.99	MR-5.5MM
.2362"	6.00	.224"	.160"	99.99	MR-6.0MM
.2756"	7.00	.246"	.182"	109.99	MR-7.0MM

Solid Carbide Valve Guide Reamers Specifically Designed For Use Only With Bronze Guides

- Unique 8-flute body design with 4-flute pilot for longer tool life
- New cutting geometry requires less torque to drive the reamer
- More rigid tool construction
- Faster feeds than conventional design
- Non-cutting pilot allows easier alignment with guide
- Simply the best bronze valve guide reamer we've created!
- Use at 300 to 400 RPM • OAL: 6.00" (nominal)
- Pilot measures approximately .005" smaller than cutting diameter

Inch	mm	Jobber	Order No.
.1968"	5.00	199.99	HGR-5.0MM*
.2165"	5.50	199.99	HGR-5.5MM*
.2362"	6.00	214.99	HGR-6MM
.2750"	7.00	214.99	HGR-7MM
.2766"	7.03	214.99	HGR-2766
.2770"	7.04	214.99	HGR-2770 NEW
.3110"	7.90	214.99	HGR-3110

*Pilot, Flute & Shank Dimensions slightly smaller; call for specific details

Inch	mm	Jobber	Order No.
.3115"	7.91	\$214.99	HGR-3115
.3120"	7.92	214.99	HGR-3120
.3141"	7.98	214.99	HGR-3140
.3150"	8.00	214.99	HGR-8MM
.3410"	8.66	214.99	HGR-3410
.3420"	8.69	214.99	HGR-3420
.3425"	8.70	214.99	HGR-3425
.3430"	8.71	214.99	HGR-3430
.3435"	8.72	214.99	HGR-3435
.3440"	8.74	214.99	HGR-3440



High Speed Finish Reamers Exclusively for Cast Iron

Precision size cast iron guides. Piloted and made from the finest tempered steel. With proper care, these reamers will accurately size multiple guides without losing their efficient cutting action. **NOT for hardened or bronze guides.**

Use at 400 to 500 RPM. Pilot area measures .012" smaller than cutting diameter.

Inch	mm	Jobber	Order No.
3/16" Square Drive			
.2165"	5.50	\$47.99	WR-5.5MM-G
.217"	5.51	47.99	WR-217-G
.218"	5.54	47.99	WR-218-G
.236"	6.00	47.99	WR-6MM-G
.250"	6.35	47.99	WR-250-G
.256"	6.50	47.99	WR-6.5MM-G
.260"	6.60	47.99	WR-260-G
.273"	6.93	47.99	WR-273-G
.274"	6.96	47.99	WR-274-G
.275"	6.99	47.99	WR-275-G
.2755"	7.00	47.99	WR-7MM-G
.276"	7.01	47.99	WR-276-G
.277"	7.03	47.99	WR-277-G
.278"	7.06	47.99	WR-278-G
.281"	7.14	47.99	WR-281-G

Inch	mm	Jobber	Order No.
1/4" Square Drive			
.310"	7.87	\$47.99	WR-310-G
.311"	7.90	47.99	WR-311-G
.312"	7.92	47.99	WR-312-G
.313"	7.95	47.99	WR-313-G
.314"	7.98	47.99	WR-314-G
.315"	8.00	47.99	WR-8MM-G
.316"	8.03	47.99	WR-316-G
.317"	8.05	47.99	WR-317-G
.341"	8.66	47.99	WR-341-G
.342"	8.69	47.99	WR-342-G
.343"	8.71	47.99	WR-343-G
.3435"	8.72	47.99	WR-3435-G
.344"	8.74	47.99	WR-344-G
.345"	8.76	47.99	WR-345-G
.346"	8.79	47.99	WR-346-G
.354"	9.00	47.99	WR-9MM-G
.355"	9.02	47.99	WR-355-G
.356"	9.04	47.99	WR-356-G
.358"	9.09	47.99	WR-358-G

Inch	mm	Jobber	Order No.
1/4" Square Drive			
.372"	9.45	\$47.99	WR-372-G
.373"	9.47	47.99	WR-373-G
.374"	9.50	47.99	WR-374-G
.375"	9.52	47.99	WR-375-G
.376"	9.55	47.99	WR-376-G
.377"	9.58	47.99	WR-377-G
.378"	9.60	47.99	WR-378-G
.379"	9.63	47.99	WR-379-G
.380"	9.65	47.99	WR-380-G
.386"	9.80	49.99	WR-386-G
.394"	10.00	54.99	WR-10MM-G
.395"	10.03	54.99	WR-395-G
.405"	10.29	54.99	WR-405-G
.433"	11.00	54.99	WR-11MM-G
.436"	11.07	54.99	WR-436-G
.437"	11.10	54.99	WR-437-G
.453"	11.51	54.99	WR-453-G
.472"	12.00	54.99	WR-12MM-G
.499"	12.67	54.99	WR-499-G
.500"	12.70	54.99	WR-500-G

See page 33 for Drive Adaptors

tech tips
from the techxperts™

For best results, use high speed steel finish reamers exclusively on cast iron. Ream without oil.

CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
FLYWHEEL GRINDING
CRANKSHAFT/
TOOLS & SUPPLIES
MISCELLANEOUS
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS

... another
satisfied
customer

"I have been using the Goodson Hyper-Finish Diamond Valve Guide Hone for years. It makes quick and easy work for valve guide sizing. It will not load up, keeps the guide straight and true and gives great results every time. Best money I've spent on a tool."

- Wes Brown, Cycle-Rama, Inc., Pinellas Park, Florida, Goodson customer since 1999

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



Introduced to the World Market in 2010!

Black Diamond Hyper-Finish Valve Guide Sizing System

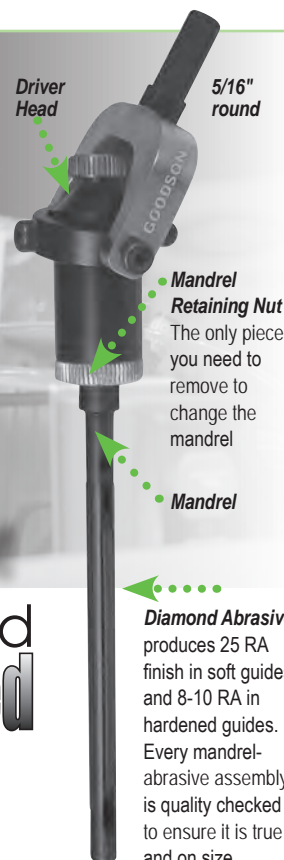
The **NEW** Black Diamond Hyper-Finish Diamond Valve Guide Sizing System is better than ever. CNC manufactured tooling now has greater accuracy, more durability and better quality. Mandrels are made of black anodized hard plated steel.

With this easy-to-use system you can size guides from .193" to .389" (5.00 to 9.90mm) just by switching out mandrels. Mandrels also sold individually. The Drive Head (**HF-100**) fits every size mandrel assembly shown in the chart below and features a Quick Change set-up. Hyper-Finish Tooling is NOT interchangeable with Sunnen® (p. 30). Use at 200 RPMs max.

new and
improved

Size	Range		Mandrel Assembly (abrasive & mandrel)	Abrasive Length	Replacement Abrasive	Replacement Mandrel	Drive Head	Guide Brush	
	inch	mm							
5.0mm	.193"-.203"	4.90 - 5.15mm	399.99	BHFM-193C	40mm	BHFS-010	BHFM-193	HF-100	GVP-9N
5.5mm	.212"-.232"	5.40 - 5.90mm	399.99	BHFM-212C	40mm	BHFS-020	BHFM-212	HF-100	GVP-10N
6.0mm	.232"-.253"	5.90 - 6.40mm	399.99	BHFM-232C	40mm	BHFS-020	BHFM-232	HF-100	GVP-10N
6.5mm	.251"-.271"	6.40 - 6.90mm	399.99	BHFM-251C	40mm	BHFS-020	BHFM-251	HF-100	GVP-11N
7.0mm	.271"-.311"	6.90 - 7.90mm	399.99	BHFM-271C	80mm	BHFS-040	BHFM-271	HF-100	GVP-11N
.312"	.307"-.347"	7.80 - 8.80mm	399.99	BHFM-307C	80mm	BHFS-050	BHFM-307	HF-100	GVP-1N
.343"	.334"-.374"	8.50 - 9.50mm	399.99	BHFM-344C	80mm	BHFS-050	BHFM-343	HF-100	GVP-2N
.375"	.350"-.389"	8.90 - 9.90mm	399.99	BHFM-350C	80mm	BHFS-050	BHFM-350	HF-100	GVP-3N

CNC electroplated diamond abrasives will not fit Old-Style Mandrels
 Jobber \$189.99 \$279.99 \$379.99 \$6.99



Diamond Abrasive produces 25 RA finish in soft guides and 8-10 RA in hardened guides. Every mandrel-abrasive assembly is quality checked to ensure it is true and on size.

Choose from the Standard Master Kit or Build Your Own!

Standard Master Kit includes: Driver Head, 4-Mandrel Assemblies (see chart above), 4-Nylon Valve Guide Brushes (7mm to 3/8") and 8 oz. Diamond Honing Oil.
Order No. **BHF-KIT** Jobber \$1599.99

Custom Kit includes: Driver Head, 4-Mandrel Assemblies (select from chart above), 4-Nylon Valve Guide Brushes (you pick the sizes - see chart above) and 8 oz. Diamond Honing Oil.
Order No. **BHF-KIT-CUSTOM** Jobber \$1599.99



**Goodson
exclusive**



Diamond Honing Oil

For high pressure honing

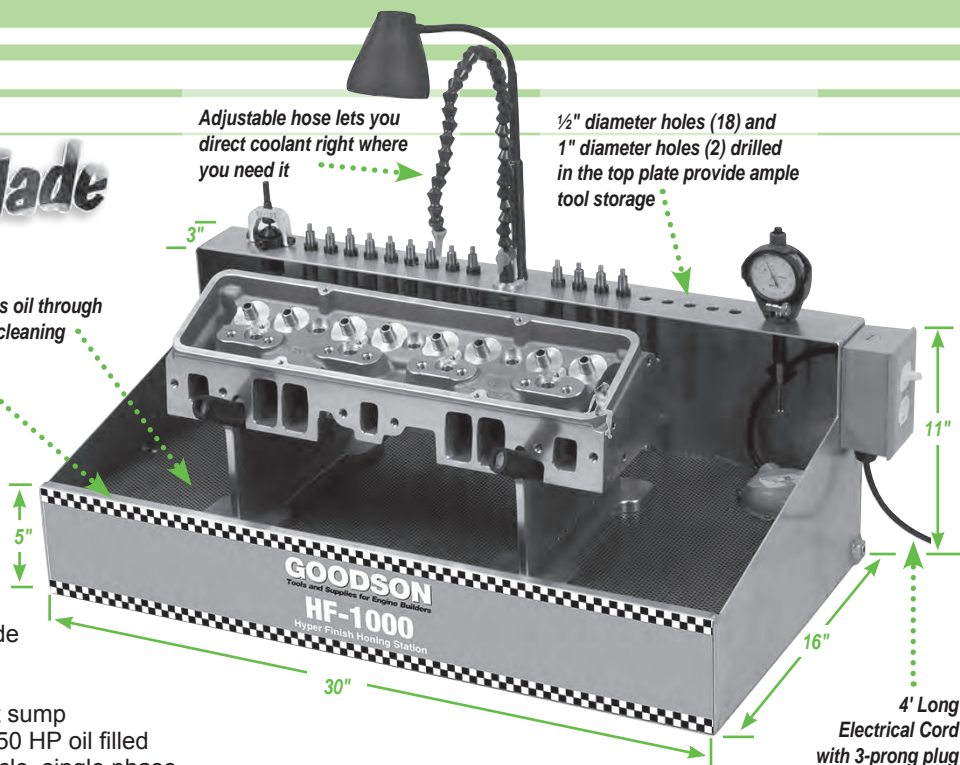
Size	Jobber	Order No.
8 oz./237mL	\$ 5.29	DHO-8
1 Gallon/3.79L	38.99	DHO-10
5 Gallons/18.93L	174.99	DHO-50

American Made

Benchtop Valve Guide Finishing Station

This Goodson designed valve guide finishing station incorporates the features you requested such as:

- Large 5-gallon capacity coolant sump
 - Integral high output pump - 1/150 HP oil filled submersible pump, 115V 60 cycle, single phase heavy-duty motor
 - Aluminum construction for durability and easy cleaning
 - Perforated steel grate allowing used coolant through to recirculate
 - Removable steel grate for easy maintenance
 - Built-in, easy-to-reach storage for tools
- Buy the complete kit and save!**



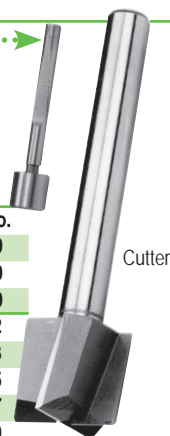
Description	Jobber	Order No.	Incl.
Complete 110V Valve Guide Finishing Station Kit	\$1099.99	HF-1000KIT	▼
Honing Station Only - 110V	879.99	HF-1000	x
Universal Head Holders	144.99	HH-200	x
Replacement Pump 110V	144.99	HF-PUMP	x
5 Gallons Diamond Honing Oil	174.99	DHO-50	x

Export voltage available, contact Goodson for additional information

Carbide or High Speed Steel Valve Guide Top Cutters

- Matches Seat & Guide machine pilots

Description	Shank	Jobber	Order No.
Cutters			
1 1/8" High-Speed Steel	.500"	\$ 59.99	GFB-100
1 1/8" Carbide	.500"	154.99	GFC-200
1 1/8" High-Speed Steel	.486"	134.99	GFB-300
Shank Pilots			
3/16" (.1875")	.312" (7.93mm)	15.99	GFP-312
	.343" (8.73mm)	15.99	GFP-343
	.375" (9.53mm)	15.99	GFP-375
	.437" (11.11mm)	15.99	GFP-437
	.500" (12.70mm)	15.99	GFP-500



Valve Guide OD Chamfer Tool

- Improve oil deflection
- Universal cutter chamfers any OD from 1/4" to 5/8" (6.35-15.9mm)
- Most precise when used in a Seat and Guide Machine
- Order No. **GCT-35**
Jobber \$79.99



Sale!

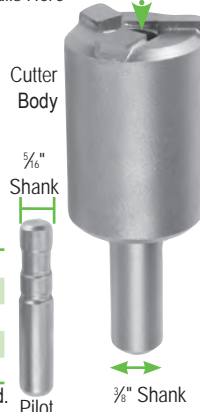
1" Diameter Carbide Top Cutter / Spot Facer

- Long-life, quick-cutting carbide blades
- Shorten or face cast-iron valve guides and stud bosses up to 1" diameter
- Universal drive shank fits all types of power chucks 3/8" or larger

Description	Jobber	Order No.
Cutter Body	\$64.69	G-1270
Pilot		
.312" (7.93mm)	8.29	G-1270A
.343" (8.73mm)	8.29	G-1270B
.375" (9.53mm)	8.29	G-1270C

No discounts available on this item. Subject to stock on hand.

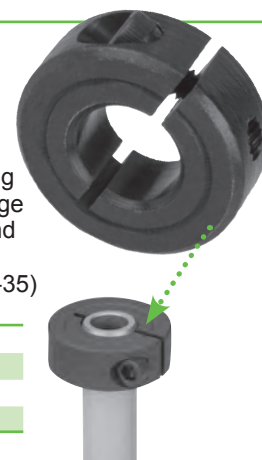
Pilot Installs Here



Valve Guide Top Collar

- Supports guide top during machining
- Protects against damage or breakage
- Ideal for high-performance work, and for installing Bronze-Wall® guide inserts or thin-wall liners (pages 33-35)

Size	Range	Jobber	Order No.
.500"	.496" -.504"	\$ 8.99	VGC-502
.530"	.526" -.534"	9.99	VGC-530
.566"	.562" -.570"	10.99	VGC-566



CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
FLYWHEEL GRINDING
MISCELLANEOUS
TOOLS & SUPPLIES
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS



"We take our job of getting your order to you quickly very seriously. We use several different carriers allowing us to get your products to you when you need them at a price you can afford."

- Becky, Goodson Shipping Supervisor, 7 years of service



Truing Sleeve

Adaptor

P-180
Hone Head

Honing Stone

Wedge (included with
Mandrel)

Mandrel

Valve Guide Hone Set

- Sets-up fast • Easy to use!
- Produces straight, round holes for top-quality work
- Ideal for high-performance applications
- Use a low RPM, 1/2" drill for driving power (200 RPM max.)
- Sunnen® tooling is NOT interchangeable with Goodson Hyper-Finish (page 28)

Description	Jobber	Order No.
Sunnen Honall® Valve Guide Hone Set	\$897.62	P-190
Includes: Head & Driver. Mandrels & Sleeves (1 of ea. for sizes - 5/16", 11/32", 3/8", & 7/16")		
Adaptors: (1) PK10-A & (1) PK12-A. Stones L10-J69 & L12-J67. Case & instructions		
Sunnen Honall® Valve Guide Hone Head & Driver only	\$425.88	P-180

Ordering Information: The head and driver are interchangeable with the adaptors.

tech tips
from the techxperts™

Only one head and driver is required. Mandrels are available to cover all popular sizes. Please select from the parts in the photo above and order per size range desired. We suggest you have an adaptor for each mandrel to save change-over time between sizes.



BL Mandrels (Order Mandrel, Sleeve, Stones, Adaptor & Stone Retainer Separately)

Range			Mandrel		Sleeve		Roughing Stones		Finishing Stones		Adaptor		Stone Retainer	
Size	Inch	mm	Jobber	Order No.	Jobber	Order No.	Jobber	Order No.	Jobber	Order No.	Jobber	Order No.	Jobber	Order No.
5mm	.195"-.200"	4.9-5.1	\$41.67	BL6-195CS	\$13.03	S-195	\$77.11	L6-J47 (12)	\$77.11	L6-J67 (12)	\$83.21	PSK6-A†	\$11.34	LN-3087C
5.5mm	.210"-.215"	5.3-5.5	40.88	BL6-210CS	13.03	S-210	77.11	L6-J47 (12)	77.11	L6-J67 (12)	83.21	PSK6-A†	11.34	LN-3087C
	.215"-.220"	5.5-5.6	41.67	BL6-215CS	13.03	S-215	77.11	L6-J47 (12)	77.11	L6-J67 (12)	83.21	PSK6-A†	11.34	LN-3087C
	.225"-.230"	5.7-5.8	41.27	BL6-225CS	13.03	S-225	77.11	L6-J47 (12)	77.11	L6-J67 (12)	83.21	PSK6-A†	11.34	LN-3087C
6mm	.230"-.235"	5.8-6.0	41.67	BL6-230CS	13.03	S-230	77.11	L6-J47 (12)	77.11	L6-J67 (12)	83.21	PSK6-A†	11.34	LN-3087C
	.235"-.240"	6.0-6.1	41.67	BL6-235CS	13.03	S-235	77.11	L6-J47 (12)	77.11	L6-J67 (12)	83.21	PSK6-A†	11.34	LN-3087C
1/4"	.245"-.250"	6.2-6.4	40.88	BL8-245AS	13.03	S-245	42.77	L8-J47 (6)	42.77	L8-J67 (6)	83.21	PK8-A	-----	-----
	.250"-.255"	6.4-6.5	40.88	BL8-250AS	13.03	S-250	42.77	L8-J47 (6)	42.77	L8-J67 (6)	83.21	PK8-A	-----	-----
6.6mm	.255"-.260"	6.5-6.6	40.88	BL8-255AS	13.75	S-255	42.77	L8-J47 (6)	42.77	L8-J67 (6)	83.21	PK8-A	-----	-----
7mm	.270"-.275"	6.8-7.0	40.88	BL8-270AS	13.75	S-270	42.77	L8-J47 (6)	42.77	L8-J67 (6)	83.21	PK8-A	-----	-----
	.275"-.280"	7.0-7.1	40.88	BL8-275AS	13.75	S-275	42.77	L8-J47 (6)	42.77	L8-J67 (6)	83.21	PK8-A	-----	-----
5/16" ♦	.308"-.316"	7.8-8.0	42.32	BL10-308AS	13.75	S-308	44.93	L10-J47 (6)	44.93	L10-J69 (6)	83.21	PK10-A	-----	-----
11/32" ♦	.339"-.347"	8.6-8.8	42.32	BL10-339AS	13.75	S-339	44.93	L10-J47 (6)	44.93	L10-J69 (6)	83.21	PK10-A	-----	-----
23/64"	.354"-.362"	9.0-9.2	42.32	BL10-354AS	13.75	S-354	44.93	L10-J47 (6)	44.93	L10-J69 (6)	83.21	PK10-A	-----	-----
3/8" ♦	.370"-.385"	9.4-9.8	44.82	BL12-370AS	18.86	S-370	49.14	L12-J47 (6)	49.14	L12-J67 (6)	83.21	PK12-A	-----	-----
7/16" ♦	.432"-.447"	11.0-11.4	44.82	BL12-432AS	18.86	S-432	49.14	L12-J47 (6)	49.14	L12-J67 (6)	83.21	PK12-A	-----	-----

♦ Included in set Order No. P-190 †NOTE: Remove the stone retainer included with the PSK6-A and replace with LN-3087C for valve guide honing



Minnesota Fast Freeze

- Instantly chills seats & guides to -50°F (-45.5°C) • Creates interference fit with heated aluminum heads • Finish seat and guide work faster than ever • Aerosol*
- Use on tight bushings, pins, shafts, etc.
- 10 oz. can

Description	Jobber 1+	Jobber 6+	Order No.
Minnesota Fast Freeze	\$35.99	\$32.39	MFF-8

Order 6 or more to Save 10% off Jobber

*Hazardous Goods Fees Apply When Shipped by Air



6 Piece Valve Guide Flex-Hone® Set

- Kit includes the most popular sizes for valve guide work • 240 Grit Silicon-Carbide

			Jobber	Order No.	Incl.
6 Pc. Valve Guide Kit			\$84.99	VGf-KIT	▼
Size	mm	OAL			
1/4"	6.4	8"	\$21.99	VGf-6.4MM	x
5/16"	7.0	8"	21.99	VGf-7MM	x
3/8"	8.0	8"	21.99	VGf-8MM	x
11/32"	9.0	8"	21.99	VGf-9MM	x
7/16"	10.0	8"	21.99	VGf-10MM	x
1/2"	11.0	8"	21.99	VGf-11MM	x

More Valve Guide Flex-Hones® on page 72

Order 3 or more Flex-Hones®,
Save 10% off Jobber





Valve Guide Replacement

Valve Guide Drivers

- Corrosion-resistant finish 1° negative angle prevents guides from spreading • Rockwell hardness of 45-50
- Pilots are slightly smaller than guide ID for easy removal



Powered Drivers				
Standard Sizes	Jobber	Order No.	Incl.	
4-piece Kit	\$72.99	PH-2226-G	▼	
Guide ID /mm	Driver OD	Pilot		
.312" / 7.92	.487" / 12.4	.300" / 7.62	\$19.99	PH-2228A-G
.312" / 7.92	.423" / 10.7	.304" / 7.72	19.99	PH-2228-G
.343" / 8.71	.422" / 10.7	.336" / 8.53	19.99	PH-2229A-G
.343" / 8.71	.487" / 12.4	.337" / 8.56	19.99	PH-2229-G
.372" / 9.47	.487" / 12.4	.367" / 9.32	19.99	PH-2231-G
.437" / 11.10	.612" / 15.5	.429" / 10.90	19.99	PH-2230-G

Metric Sizes	Jobber	Order No.	Incl.	
6-piece Kit	\$109.99	PH-2600-G	▼	
Guide ID /in.	Driver OD	Pilot		
5.0mm / .196"	9.0 / .355"	4.75 / .187"	\$19.99	PH-2250-G
5.5mm / .217"	10.5 / .412"	5.21 / .205"	19.99	PH-2255-G
6.0mm / .236"	10.5 / .412"	5.72 / .225"	19.99	PH-2260-G
6.6mm / .260"	11.8 / .463"	6.30 / .248"	19.99	PH-2234-G
7.0mm / .275"	11.0 / .432"	6.60 / .260"	19.99	PH-2235-G
8.0mm / .315"	11.7 / .462"	7.80 / .307"	19.99	PH-2236-G
9.0mm / .353"	12.4 / .487"	8.81 / .347"	19.99	PH-2237-G
10mm / .393"	15.5 / .612"	8.56 / .387"	19.99	PH-2238-G
11mm / .433"	15.5 / .612"	10.85 / .427"	19.99	PH-2239-G



Manual Drivers				
Standard Sizes	Jobber	Order No.	Incl.	
4-piece Kit	\$59.99	GP-500A-G	▼	
Guide ID /mm	Driver OD	Pilot		
.312" / 7.92	.422" / 10.7	.305" / 7.75	\$18.99	GP-431-G
.312" / 7.92	.487" / 12.4	.302" / 7.67	18.99	GP-531-G
.343" / 8.71	.422" / 10.7	.336" / 8.53	18.99	GP-533-G
.343" / 8.71	.487" / 12.4	.336" / 8.53	18.99	GP-534-G
.372" / 9.47	.487" / 12.4	.367" / 9.32	18.99	GP-537-G
.437" / 11.10	.611" / 15.5	.428" / 10.87	18.99	GP-743-G
Metric Sizes	Jobber	Order No.	Incl.	
6-piece Kit	\$89.99	GP-600M-G	▼	
Guide ID /in.	Driver OD	Pilot		
6.6mm / .260"	11.7 / .462"	6.22 / .245"	\$18.99	GP-6.6MM-G
7mm / .275"	10.7 / .422"	6.78 / .267"	18.99	GP-7MM-G
8mm / .315"	12.3 / .486"	7.77 / .306"	18.99	GP-8MM-G
9mm / .353"	12.3 / .485"	8.84 / .348"	18.99	GP-9MM-G
10mm / .393"	15.5 / .611"	9.80 / .386"	18.99	GP-10MM-G
11mm / .433"	15.5 / .611"	10.82 / .426"	18.99	GP-11MM-G



Air Hammer

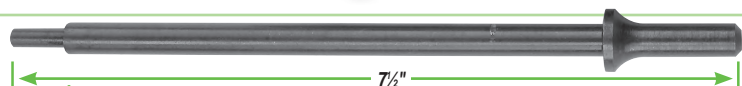
- Delivers 3500 blows per minute
- Weighs 3 lbs.
- .401" tool opening

Description	Jobber	Order No.
Air Hammer	\$77.99	AH-335
Replacement Retainer Spring	9.99	AH-5RS

Universal Driver Tool

- Sized to extend Diesel Guide Drivers at right
- 4.75" OAL
- .401" ID
- Order No. **CL-7333**

Jobber \$41.99



Extra-Long Powered Valve Guide Drivers

- For use with overhead cam heads
- 1° negative angle to prevent guide mushrooming
- Pilots are slightly smaller than guide ID • 7.5" long

Guide ID / in.	Driver OD	Pilot	Jobber	Order No.
4.0mm / .157"	9.0 / .355"	3.80 / .150"	\$22.99	PHL-2240-G
4.5mm / .177"	9.0 / .355"	4.30 / .170"	22.99	PHL-2245-G
5.0mm / .196"	9.0 / .355"	4.75 / .187"	22.99	PHL-2250-G
5.5mm / .217"	10.5 / .412"	5.21 / .205"	22.99	PHL-2255-G
6.0mm / .230"	9.1 / .358"	5.72 / .225"	22.99	PHL-2258-G
6.0mm / .236"	10.5 / .412"	5.72 / .225"	22.99	PHL-2260-G
6.6mm / .260"	11.8 / .463"	6.29 / .248"	22.99	PHL-2234-G
7.0mm / .275"	11.0 / .432"	6.60 / .260"	22.99	PHL-2235-G
7.9mm / .312"	10.7 / .423"	7.72 / .304"	22.99	PHL-2228-G
8.0mm / .315"	11.7 / .462"	7.80 / .307"	22.99	PHL-2236-G
8.7mm / .343"	12.4 / .487"	8.56 / .337"	22.99	PHL-2229-G
9.5mm / .375"	12.4 / .487"	9.32 / .367"	22.99	PHL-2231-G



Extra Long Manual Valve Guide Drivers

- 8" OAL • Pilot approximately 1" long

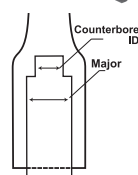
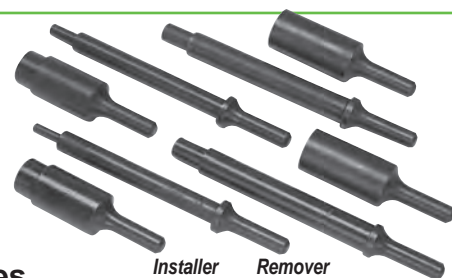
NOTE: Due to the nature of these valve guide drivers, they cannot be warranted against breakage, but are guaranteed for dimensional accuracy.

Guide ID / in.	Driver OD	Pilot	Jobber	Order No.
4.0mm / .157"	9.0 / .355"	3.80 / .150"	\$20.99	GPL-2240-G
4.5mm / .177"	9.0 / .355"	4.30 / .170"	20.99	GPL-2245-G
5.0mm / .196"	9.0 / .355"	4.75 / .187"	20.99	GPL-2250-G
5.5mm / .217"	10.5 / .412"	5.21 / .205"	20.99	GPL-2255-G
6.0mm / .230"	9.1 / .358"	5.72 / .225"	20.99	GPL-2258-G
6.0mm / .236"	10.5 / .412"	5.72 / .225"	20.99	GPL-2260-G

sized for diesel

Air-Powered Valve Guide Drivers for Diesel Engines

- Drive guides in from the shoulder instead of from the top
- Installing drivers have the proper recess to drive guides in for the correct installed height • Remove / Install guides faster – no measuring necessary
- For most standard pneumatic tools



Application	Installer Major/ Counter Bore ID	Order No.	Remover Shank/Pilot OD	Order No.
Cummins	.752" / .503"	DVG-Ci	.595" / .450"	DVG-CR
Cummins 8.3 6CT	.552" / —	DVG-8.3	.491" / .304"	DVG-71R
Caterpillar 3116	.515" / .475"	DVG-3116	.491" / .304"	DVG-71R
Caterpillar 3126	.633" / .506"	DVG-3126	.595" / .354"	DVG-3468R
Caterpillar 3306	.660" / —	DVG-3306	.595" / .354"	DVG-3468R
Caterpillar 3406-3408	.709" / —	DVG-3468i	.595" / .354"	DVG-3468R
Detroit GMC 53	.502" / .421"	DVG-53i	—	—
Detroit GMC 71/92	.502" / .435"	DVG-71i	.491" / .304"	DVG-71R
International DT 466	—	—	.595" / .354"	DVG-3468R

Jobber \$31.99

Jobber \$31.99

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT
REBUILD

FLYWHEEL, GRINDING

CRANKSHAFT/
TOOLS & SUPPLIES

MISCELLANEOUS
BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



"If any of our products aren't satisfactory, we want you to send it back.. We have a no hassle return policy. Just send it back, freight pre-paid within 30 days and we'll exchange it, fix it or credit your account for the amount of the purchase."

- Nancy, Goodson Inventory Fulfillment Manager, 26 years of service

tech tips

from the techxperts™

Install guides to same height every time!

American Made



Locking Nut (AVG-2) and installation sleeve have flats for positive lock and release adjustment.


Pneumatic Driver Body (AVG-1)

Adjustable installation sleeve (AVG-3) adjusts from 0" to 1 1/4" guide height and fits guides to .700" OD.

Adjustable Powered Valve Guide Driver With Replaceable Pilots

- Standardize the correct installed height on one guide then repeat it on all others
- Screw-in pilots with 5/8" - 18 threads • 6 1/2" overall length

Description	Jobber	Order No.	Includes
Standard Valve Guide Driver Kit	\$134.99	AVG-STD	▼
Metric Valve Guide Driver Kit	139.99	AVG-MM	▼
Pneumatic Body Only 5/8"-18 thread	49.99	AVG-1	x x
Installation Sleeve	24.99	AVG-3	x x
Locking Nut	10.99	AVG-2	x x

Replaceable Pilots		Diameter		
	.312"	\$21.99	AVG-312	x
	.343"	21.99	AVG-343	x
	.372"	21.99	AVG-372	x
	.437"	21.99	AVG-437	x
	5.0mm	21.99	AVG-5MM	x
	5.5mm	21.99	AVG-55MM	
	6.0mm	21.99	AVG-6MM	x
	7.0mm	21.99	AVG-7MM	x
	8.0mm	21.99	AVG-8MM	x
9.0mm	21.99	AVG-9MM		

Use thread locker on pilot to resist loosening while in use.

Cast Iron and Manganese Bronze Valve Guides for Harley-Davidson on page 123

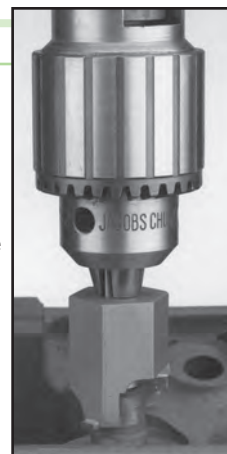
Universal Repair Guides

- Unfinished ID ready to be reamed with Goodson's exclusive carbide reamers (page 27)
- Manganese bronze

ID	OD	Length	Job. 1+	Job. 25+	Job. 51+	Order No.
7.0mm	.740"	2.700"	\$9.99	\$8.99	\$8.49	UVBG-7MM
.308"	.740"	2.700"	9.99	8.99	8.49	UVBG-308
.341"	.740"	2.700"	9.99	8.99	8.49	UVBG-341
.372"	.740"	2.700"	9.99	8.99	8.49	UVBG-372

Valve Guide OD Machining Tool Does 3 Jobs at Once!

- Faces the guide top to the correct size
- Sizes the guide OD for press-on seals
- Chamfers the top to prevent seal damage
- Cutters & pilots are interchangeable and chuck into any portable drill, drill press or seat & guide machine



Individual Cutters

Guide OD	Order No.
.415" 10.5	VSC-415
.428" 10.8	VSC-428
.475" 12.1	VSC-475
.495" 12.6	VSC-495
.500" 12.7	VSC-500
.530" 13.5	VSC-530
.562" 14.3	VSC-562
.625" 15.9	VSC-625
Jobber ea.	\$89.99

Pilots

Guide ID	Order No.
.275" 7.0	VP-7MM
.312" 7.9	VP-312
.343" 8.7	VP-343
.375" 9.5	VP-375
Jobber ea.	\$34.99

Cutter and Pilot Assemblies

Guide OD	Pilot Size	Order No.
.415" 10.5	.312" 7.9	VSC-415312
.428" 10.9	.312" 7.9	VSC-428312
.475" 12.1	.312" 7.9	VSC-475312
.475" 12.1	.343" 8.7	VSC-475343
.500" 12.7	.275" 7.0	VSC-500275
.500" 12.7	.312" 7.9	VSC-500312
.500" 12.7	.343" 8.7	VSC-500343
.500" 12.7	.375" 9.5	VSC-500375
.530" 13.5	.312" 7.9	VSC-530312
.530" 13.5	.343" 8.7	VSC-530343
.530" 13.5	.375" 9.5	VSC-530375
.562" 14.3	.343" 8.7	VSC-562343
.562" 14.3	.375" 9.5	VSC-562375
.625" 15.9	.375" 9.5	VSC-625375
Jobber ea.		\$119.99

The more guides you buy, the more you save!

Buy 25 - 50 guides, save 10% off jobber.

Buy 51+ guides, save 15% off jobber (mix & match sizes)



Harley valve guides on page 124

Cast Iron False Valve Guides

Universal Applications

ID	OD	Length	Job. 1+	Job. 25+	Job. 51+	Order No.
.312"	.439"	2.281"	\$3.99	\$3.59	\$3.39	CIG-312
.342"	.502"	3.062"	3.99	3.59	3.39	CIG-342
.372"	.502"	2.750"	3.99	3.59	3.39	CIG-372
.343"	.564"	2.750"	3.99	3.59	3.39	OG-343
.373"	.564"	2.750"	3.99	3.59	3.39	OG-373

24 Valve 7mm Cummins Diesel (.511" seal surface) see tooling, page 26

ID	OD	Length	Job. 1+	Job. 25+	Job. 51+	Order No.
Intake .275"	.502"	1.940"	\$3.99	\$3.59	\$3.39	CIG-3021
Exhaust .275"	.502"	2.020"	3.99	3.59	3.39	CIG-3022

Ford 6.0L (.513" x .659" seal surface) see tooling, page 26

.275"	.4395"	2.332"	\$3.99	\$3.59	\$3.39	CIG-3055
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7.3 Powerstroke Use with Core Drill Reamer CDR-563-CB, page 26

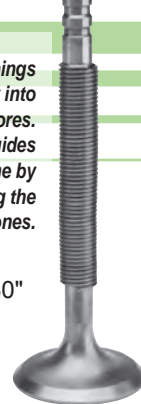
.3146"	.5652"	2.440"	\$3.99	\$3.59	\$3.39	CIG-8476
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Manganese Bronze False Valve Guides

Universal Applications

ID	OD	Length	Job. 1+	Job. 25+	Job. 51+	Order No.
.311"	.439"	3.062"	\$5.99	\$5.39	\$5.09	BVG-311
.343"	.502"	2.375"	5.99	5.39	5.09	BVG-343
.372"	.502"	2.375"	5.99	5.39	5.09	BVG-372

Bronze bushings
thread easily into
tapped bores.
Replace guides
at any time by
simply uncoiling the
old ones.



Knurling Arbors

- Piloted for positive centering
- Use by hand or with electric drill & speed reducer
- **Not for use on chilled, hardened or bronze guides**

Inch	mm	Jobber	Order No.
.236"	6.00	\$97.99	WKA-6MM-G
.275"	7.00	97.99	WKA-7MM-G
.312"	7.92	97.99	WKA-312-G
.343"	8.71	97.99	WKA-343-G
.375"	9.53	97.99	WKA-375-G
1 Quart Knurlube (946.6mL)		17.99	WLB-47-G

tech tips
from the techxperts™
Use with
Knurlube



Bronze-Wall® Bushings

- Spiral inserts rebuild cast-iron guides worn .030"
- Highly durable Phosphor-Bronze
- Thread easily into tapped bore
- Helps guides and stems last longer
- .038" wire for reamed guides

Size	Qty.	Jobber 1+	Jobber 2+	Jobber 5+	Order No.
Standard Bushings					
1 1/32"	50	\$73.99	\$66.59	\$59.19	BW-020B-G
3/8"	50	73.99	66.59	59.19	BW-050B-G

The more you buy, the more you save!

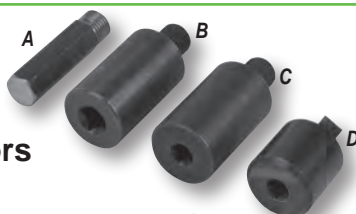
2-4 boxes of bushings, save 10% off jobber,
5 or more boxes, save 20% off jobber



Electric Drill Drive Adaptors For Knurling Arbors and/or Reamers

Use **WSR-41-3-G** (1/4" sq.) or **WSR-41-4-G** (3/16" sq.)
with **WSR-41-7-G** (3/8" drill adaptor). Clamp 3/8" drive in drill
to drive reamers directly.

Description	Jobber	Order No.
A Drill Adaptor for 3/8" drill	\$ 8.99	WSR-41-7-G
B 1/4" Adaptor for arbors/reamers larger than .281"	10.99	WSR-41-3-G
C 3/16" Adaptor for arbors/reamers .281" or smaller	14.99	WSR-41-4-G
D Slip on Adaptor (converts WSR-41-3-G to .1875")	38.99	WSR-41-5-G



Bronze-Wall® 2 Bushings

- Spiral inserts rebuild cast-iron guides worn .030"
- Highly durable Phosphor-Bronze
- Thread easily into tapped bore
- Helps guides and stems last longer
- .035" wire for broached guides
- Easy to install and size using Sizing Ball and Driver instead of Broach and Reamer

Size	Qty.	Jobber 1+	Jobber 2+	Jobber 5+	Order No.
Standard Bushings					
1 1/32"	50	\$73.99	\$66.59	\$59.19	BW2B-343
3/8"	50	73.99	66.59	59.19	BW2B-375

Knurlube

- High pressure lube prevents tool damage
- Extends knurler life by reducing friction and arbor wear

Size	Jobber	Order No.
8 oz. / 236.6mL	\$10.49	WLB-46-G
32 oz. / 946.4mL	17.99	WLB-47-G



Bronze Reaming Oil

- Prevents build-up
- Extends reamer life
- Improves valve guide finish

Size	Jobber	Order No.
16 oz. / 473.2mL	\$ 9.99	BW-303-G
32 oz. / 946.4mL	15.99	BW-303A-G
1 Gal. / 1.893L	35.99	BW-305-G



Valve Guide OD Knurling Tool

- Enlarge guides to fit bore
- Ideal for rare metric sizes and aluminum heads with damaged guide bores
- Works on most materials, **except** chilled or hardened guides



Hold guide firmly in Vise,
Drill Press or Seat & Guide machine; tighten the knurler and turn it around the guide **by hand**. Increase OD up to .002".

tech tips
from the techxperts™

Description	Jobber	Order No.
Complete Tool	\$59.99	VGK-25
Replacement Knurling Wheel	24.99	VGK-25W
Replacement Knurling Rollers (2)	10.99	VGK-25R

tech tips

from the techxperts™

Right Hand Rotation Only.

For best results, keep your RPM about the same as your hone RPM, use the same rate of speed and number of strokes per minute.

Ultra-Finish Plateau Valve Guide Soft Hones

- Use AFTER guide honing to remove microscopic peaks and scuffs without enlarging the guide ID
- Abrasive impregnated nylon bristles
- Use with liberal amounts of honing oil
- Not interchangeable with Flex-Hones®
- Use with your portable drill or seat and guide machine



Hole Diameter	Hone	Head	Overall			
in	mm	Dia.	Length	Length	Jobber	Order No.
.2187"	5.5	.241"	1.00"	4.00"	\$10.99	UF-5.5MM
.2500"	6.4	.275"	1.25"	4.50"	10.99	UF-6.4MM
.2813"	7.0	.309"	1.25"	4.50"	10.99	UF-7MM
.3125"	8.0	.343"	1.25"	4.50"	10.99	UF-8MM
.3437"	9.0	.378"	1.25"	4.50"	10.99	UF-9MM
.3750"	10.0	.413"	1.25"	4.50"	10.99	UF-10MM

NOTE: Larger size Ultra-Finish hones on page 81

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

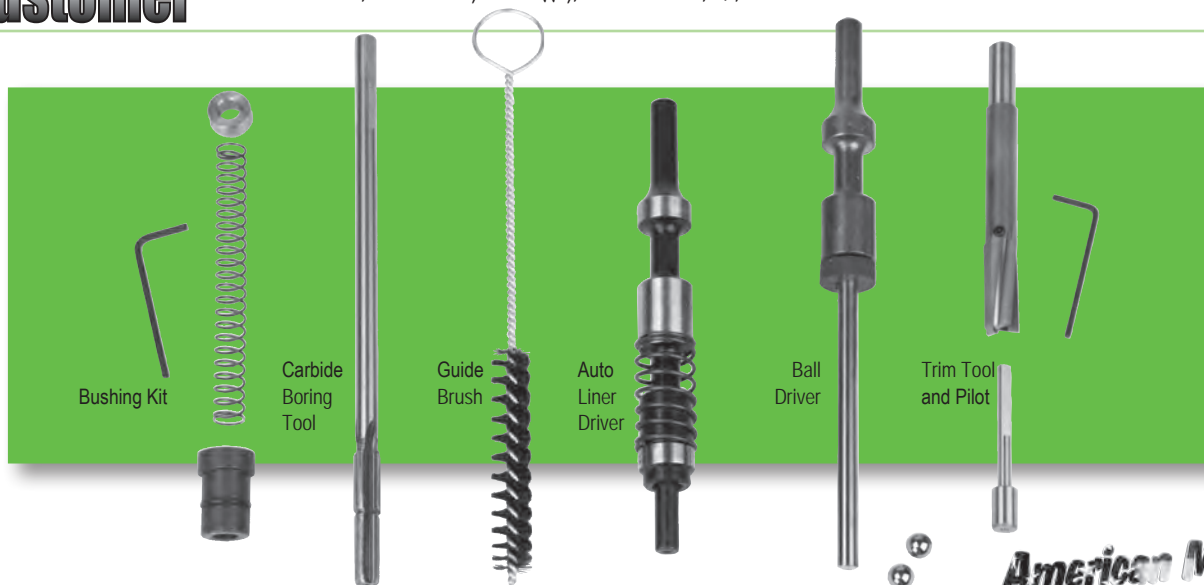
MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

... another
satisfied
customer

"I have been using your products for over 30 years and have never had an issue. Your phone staff is friendly and helpful; my parts are packaged perfectly and the quality of your products is excellent. Keep up the good work."

— Brad Mattei, Mattei's Cycle Supply, New Orleans, LA, Goodson Customer Since 1990



American Made

6.0mm to 3/8" Bronze-Liner Installation Tool Kits

Phosphor-Bronze is an ideal valve guide material – it's more durable than cast iron, conducts heat away faster and retains lubrication better to reduce wear. Install rugged, thin-wall (.030") Bronze-Liners in cast iron or aluminum heads to repair guides and deliver performance better than new! Plus, Bronze-Liners install quickly with simple tools. If a Bronze-Liner ever wears out, you can quickly and easily replace it with a new one to restore performance. **Removal Tools, page 35.**

Kits include ▼	6.0mm Guides		7.0mm Guides		5/16" Guides	
Master Tool Kits	\$624.99	CL-6MM	\$624.99	CL-7MM	\$639.99	CL-312
Carbide Boring Tool	249.99	CL-2024C	209.99	CL-2007C	219.99	CL-2005C
Bushing Kit	26.79	CL-2003	24.99	CL-2001	24.99	CL-2000
Ball Driver	89.99	CL-4452P	89.99	CL-4446P	89.99	CL-4444P
Carbide Sizing	49.99	.2370" CL-5237	49.99	.2770" CL-5277	49.99	.3125" CL-53125P
Balls	49.99	.2380" CL-5238	49.99	.2780" CL-5278	49.99	.3130" CL-5313
Auto-Driver	121.99	CL-3600	121.99	CL-3507	121.99	CL-3500
Trim Tool	84.99	.402" OD CL-5602	84.99	.500" OD CL-5600	84.99	.500" OD CL-5600
Trim Tool Pilot	27.99	CL-5634	27.99	CL-5626	27.99	CL-5620
Guide Brush	6.99	GVP-10N	3.99	WCB-44	3.99	WCB-44

When Working By Hand, Kits Require Seat Centering Cones - See Chart Below

Kits include ▼	8.0mm Guides		11/32" Guides		3/8" Guides	
Master Tool Kits	\$639.99	CL-8MM	\$639.99	CL-343	\$639.99	CL-375
Carbide Boring Tool	219.99	CL-2008C	209.99	CL-2012C	217.99	CL-2014C
Bushing Kit	24.99	CL-2000	24.99	CL-2000	24.99	CL-2000
Ball Driver	89.99	CL-4444P	89.99	CL-4444P	89.99	CL-4444P
Carbide Sizing	49.99	.3160" CL-5316	49.99	.3440" CL-5344	49.99	.3750" CL-5375
Balls	49.99	.3170" CL-5317	49.99	.3445" CL-53445	49.99	.3760" CL-5376
Auto-Driver	121.99	CL-3500	121.99	CL-3504	121.99	CL-3506
Trim Tool	84.99	.500" OD CL-5600	84.99	.500" OD CL-5600	84.99	.500" OD CL-5600
Trim Tool Pilot	27.99	CL-5620	27.99	CL-5622	27.99	CL-5624
Guide Brush	3.99	WCB-44	3.99	WCB-44	3.99	WCB-44

tech tips
from the techxperts™

The centering cone must fit the valve seat properly so using the correct size is essential.

This is NOT a one-size-fits-all tool. If you have a cone that is too small for the seat it could slip through the opening. If you have one that's too large, the side of the combustion chamber could interfere or you won't have enough of the cone in the seat area for it to be stable and centered.

60° Seat Centering Cones

- Center firmly in the valve seat
- Cones feature a .625" ID
- Steel construction
- Use the Seat Centering Cones with the Master Tool Kits (above) for proper alignment of the reamer and guide bore

Description	Jobber	Order No.	
7 Piece Kit	\$229.99	CL-6500	▼
Nominal Range			
1"	0.970"-0.730"	\$39.99	CL-6310 x
1¼"	1.230"-0.740"	39.99	CL-6308 x
1½"	1.475"-0.805"	39.99	CL-6306 x
1¾"	1.730"-0.860"	39.99	CL-6304 x
2"	1.950"-0.875"	39.99	CL-6302 x
2¼"	2.230"-1.000"	39.99	CL-6300 x
2½"	2.550"-1.875"	42.99	CL-6312 x

Bronze-Liners & Tooling

Buy 3 or more sizing balls (any combination) and save 10% off jobber



Carbide Sizing Balls

- Finished to .00008" roundness
- Within the 90 Rockwell range
- The finished ID of the Bronze-Liner will be .001" smaller than the ball used

Size		Order No.
6.0mm	.2360"	CL-5236
	.2370"	CL-5237
	.2380"	CL-5238
7.0mm	.2760"	CL-5276
	.2770"	CL-5277
	.2780"	CL-5278
5/16"	.3120"	CL-5312
	.3125"	CL-53125
	.3130"	CL-5313
	.3140"	CL-5314

Jobber 1+ \$49.99 ea.

Jobber 3+ \$44.99 ea.

tech tips
from the techxperts™

Always be sure to hold your hand under the cylinder head to catch the carbide ball as it comes out of the guide.

Size		Order No.
8.0mm	.3150"	CL-5315
	.3160"	CL-5316
	.3170"	CL-5317
11/32"	.3430"	CL-5343
	.3435"	CL-53435
	.3440"	CL-5344
	.3445"	CL-53445
3/8"	.3450"	CL-5345
	.3460"	CL-5346
	.3730"	CL-5373
	.3740"	CL-5374
3/4"	.3745"	CL-53745
	.3750"	CL-5375
	.3755"	CL-53755
	.3760"	CL-5376

Jobber 1+ \$49.99 ea.

Jobber 3+ \$44.99 ea.



Thin-Wall .030" Bronze-Liners

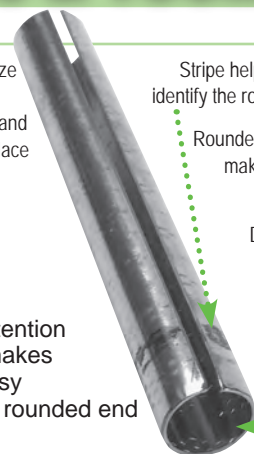
- Outlast original guides
- Dimples promote oil retention
- Rounded nose design makes installation quick and easy
- Stripe helps you identify rounded end
- Phosphor-bronze

Phosphor-bronze liners outlast original guides and are easy to replace

Stripe helps you quickly identify the round nose end

Rounded nose design makes installation fast and easy

Dimples inside promote oil retention



tech tips
from the techxperts™

NOTE: 5.0 & 5.5mm Guides do NOT interchange with competitors' guides. You MUST use our tooling with these guides.

Guide Size	Liner Size	Length	Jobber	Box of 16		Box of 100	
				Order No.	Jobber	Order No.	Jobber
5.0mm	+ .030"	2.00"	\$19.99	CL-500	\$77.99	CL-500A	
5.5mm	+ .030"	2.50"	19.99	CL-550	77.99	CL-550A	
6.0mm	+ .030"	2.50"	19.99	CL-600	77.99	CL-600A	
7.0mm	+ .030"	2.50"	19.99	CL-700	77.99	CL-700A	
.312"	+ .030"	2.50"	19.99	CL-1220	77.99	CL-1220A	
8.0mm	+ .030"	2.50"	19.99	CL-1420	77.99	CL-1420A	
.343"	+ .030"	3.00"	19.99	CL-1640	77.99	CL-1640A	
.375"	+ .030"	3.00"	19.99	CL-1830	77.99	CL-1830A	
Oversize OD Bronze Liners							
.343" + .002"	+ .032"	2.50"	\$19.99	CL-1640-2	\$ 99.99	CL-1640-2A	
.375" + .002"	+ .032"	3.00"	19.99	CL-1820-2	114.99	CL-1820-2A	
.375" + .004"	+ .032"	3.00"	19.99	CL-1820-4	114.99	CL-1820-4A	



Removal Tool

Remove bronze liners without damaging the bore

Description	Jobber	Order No.
6.0mm	\$79.99	CL-7352
7.0mm	79.99	CL-7344
5/16"	79.99	CL-7310
8.0mm	79.99	CL-7320
11/32"	79.99	CL-7330
3/8"	79.99	CL-7340

Universal Driver Tool

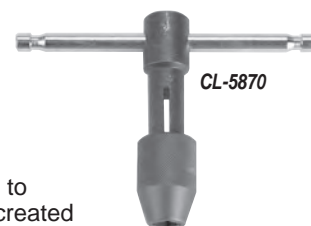
- Fits all removal tools at left and is designed to work with your air hammer
 - .401" ID
 - Order No. **CL-7333**
- Jobber \$41.99



Chamfer Tool & T-Wrench

Use these optional accessories to remove any burrs that may be created when trimming the liner to length

Description	Jobber	Order No.
Chamfer Tool	\$26.99	CL-5800
T-Wrench	26.99	CL-5870



CL-5870



CL-5800

Mitutoyo

Small Hole Gauge Set

- See if rebuilding or replacing is needed by checking actual guide wear
- Check guide bosses for proper interference fit during replacement
- Check and maintain correct stem-to-guide ID clearance
- 4-piece set has combined range of .125" to .500"
- With storage pouch
- Order No. **SHG-5** Jobber \$139.99



premium grade

Mitutoyo

Split Ball Bore Gauge

- Dial gauge with large contact area
- Measures quickly & accurately to .0001" (.0025mm)
- Works in threaded or knurled guide IDs
- Range: .280" to .400"
- Easy to change contacts
- Includes molded plastic storage case
- Order No. **MVG-34** Jobber \$649.99



premium grade

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



"We want every aspect of your transaction to be trouble-free. That's why we strive to keep everything as simple for you as possible. We're always looking for new ways to serve you better and we welcome your ideas for how to do that."

- Renee, Goodson Accounting, 29 years of service

CYLINDER HEAD
REBUILDING

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TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

Valve Seal Puller

- .810" tool dia.
- Fits Multi-Valve Engines
- Lifts from the bottom of the seal
- Works within the confines of lifter bucket bores
- Fingers grip seal for fast, easy removal
- Works on most domestic and import vehicles
- New and improved seal puller with stronger 3 jaw pulling action.

Description	Jobber	Order No.
Valve Seal Puller	\$199.99	VSP-323
Replacement Shaft	46.99	VSP-323-4
Replacement O-Ring	3.99	VSP-323-5
Replacement Jaw Set (3 Pc.)	77.99	VSP-323-3
Replacement Jaw Sleeve	43.99	VSP-323-1
Black Split Sleeve	25.99	VSP-323-2

Parts are interchangeable with VSP-320



3 Finger Jaw
Grips Seals
Firmly!



Universal Seal Pliers

- Works on OHC and in-line engines with recessed springs
- Long, serrated jaws reach into confined areas and grip seals firmly
- Heat-treated steel with easy-grip handles
- Order No. VSP-823
- Jobber \$52.99



Intake & Exhaust Valve Stem Seals for 24 Valve, 7mm Cummins Diesel

- Fit 7mm valve stems
- OD measures .511"
- Sold in packs of 12



Application	Jobber	Order No.
Intake	\$13.99	CVS-59i
Exhaust	13.99	CVS-59E



Goodson now offers the full line of QualCast Products.

Whatever you're looking for, you can find it online at www.goodson.com!

- Valves
- Valve Guides
- Valve Spring Inserts
- Valve Lifters
- Rocker Components
- Push Rods
- And a whole lot more!
- Valve Seats
- Valve Springs
- Valve Keepers (cotters, keys)
- Valve Stem Seals
- Injector Components
- Freeze Plugs

You'll find products for High Performance, Light Duty, Standard Duty and Heavy Duty. Products ship directly from QualCast's Nashville location to your door. Visit the QualCast section on the Goodson website today or Call 1-800-533-8010.

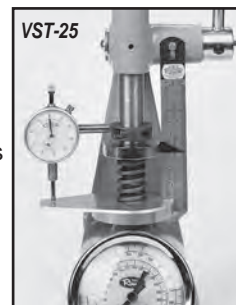
Calibrated Spring

- Check Spring Tester Accuracy
- Highest-quality spring steel
- Calibrated to show pressure at a specified compressed height (includes calibration certificate)
- Rating: Min. = 100 lbs.
Max. = 285 lbs.
- Order No. VST-95 Jobber \$62.99



Height Indicator

- Measure compressed spring height when testing pressure
- Ideal for high performance and checking identical springs
- For Rimac® and other spring testers
- Height Scale displays inches and metric
- Includes Dial Indicator, and Mounting Kit (additional dial indicators on page 121)
- Order No. VST-25 Jobber \$69.99



Valve Spring Testing

American Made

**Designed and
Manufactured
By Goodson**



Analog Valve Spring Tester

- 5" diameter Ashcroft analog pressure gauge with 600 lb. (272kG) capacity in 10 lb. (4.54kG) increments
- Platform handles springs up to 2" diameter x 4½" OAL
- Vertical height adjustments in ¾" increments
- Adjustable pressing anvil for fine-tuning open and closed pressures for height measurement
- T-Handle conforms to the operator's grip for firm control
- Calibrated, sealed hydraulic load cell
- Over-center cam action holds spring at the desired height
- Rubber protective boot keeps the mechanism debris-free
- Base features four 5/16" mounting holes to bolt it to the bench
- Order No. **VST-60G** Jobber \$799.99

TECHNICAL SPECS:

UNIT WEIGHT: 19½ lbs.

FOOTPRINT: 8½" sq.

HEIGHT: 28" with handle fully extended



**Goodson
exclusive**

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

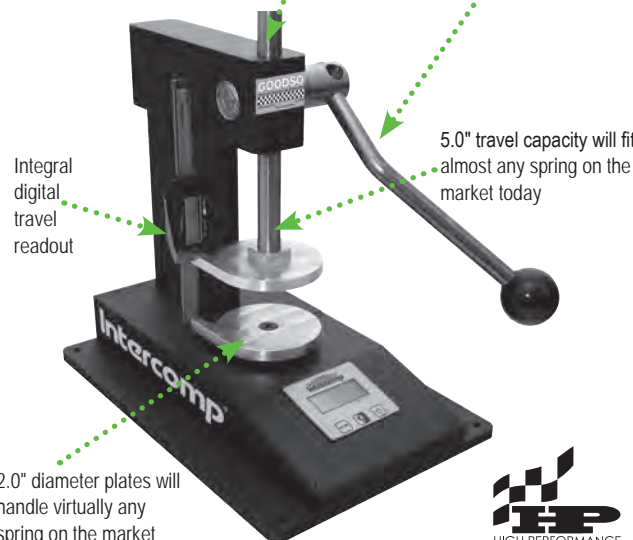
MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



Easy-to-use Travel Stop with adjustable set screws lets you set an exact position, allowing repeated testing at a desired height. Two set screws allow you to adjust for installed spring height and max lift (near coil bind).

Arbor style handle makes compressing springs fast and easy



Protect Your Valuable Valve Spring Tester with this Cover!

- Measures 10"x14"x18"
- Same cover fits either Spring Tester
- Heavy-weight, breathable black Sun-Dura® fabric won't hold in moisture
- Order No. **GMC-VST** Jobber \$39.99

More Machine Covers on page 23

Intercomp® Digital Arbor Valve Spring Tester

- 1,500 lb / 680.4 kg load cell in 1 lb. increments
- Force units switchable from pounds to kilograms
- Billet 6061 T-6 Aluminum construction
- Digital travel readout at .001"/inch or .01/mm
- 5" travel capacity • 2.0" diameter spring pads
- Easy to read backlit screen
- Operates on 9V battery (included)
- Adjustable stop to repeatedly check springs at the same heights
- Order No. **VST-2000** Jobber \$1399.99

For routine calibration of spring testers, return tester to Goodson. Call for details, 1-800-533-8010.



... another
satisfied
customer

"I am retired, still tinkering. You have preserved my account. I appreciate still having access to the parts. You are doing a great job of customer service and please continue to print a catalog."

- Wilmer Shank, Brandywine, WV, Goodson customer since 2008

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



Pneumatic Head:
Adjustable to 25° in
either direction for
canted valves



Head Support:
Table adjusts 45° to the
front and 30° to the rear



Positive Stops: Adjusts
front and rear angles



Speed Knobs:
Allows quick positioning
of workpiece

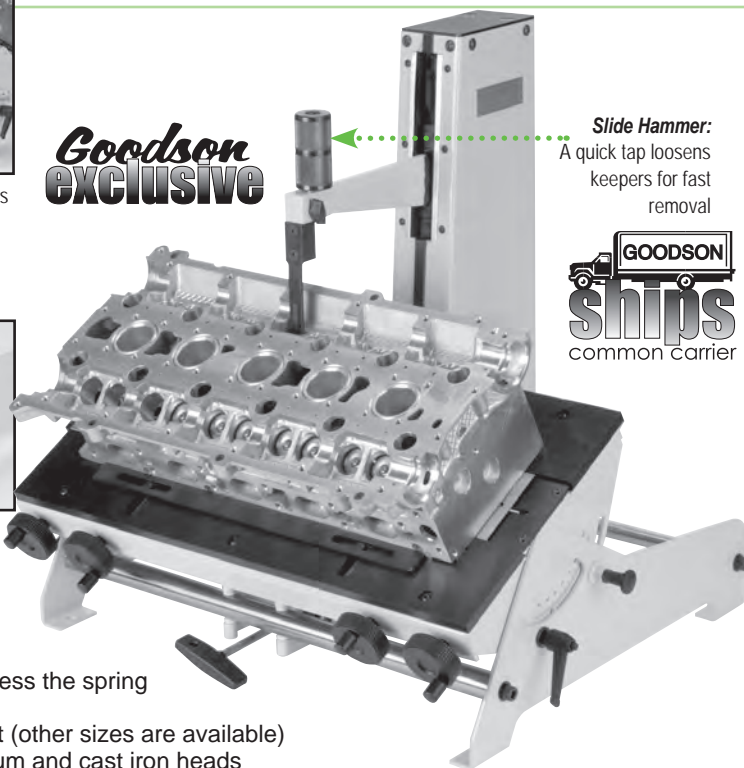


Foot Pedal:
Easy, hands-free
operation



Quick Release Knob:
Allows fast positioning
to opposite cam bank

**Goodson
exclusive**

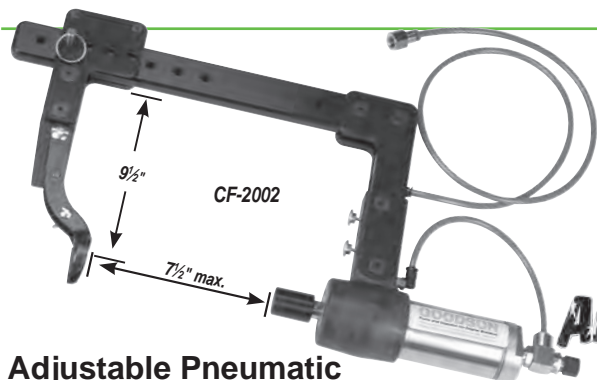


Slide Hammer:
A quick tap loosens
keepers for fast
removal

GOODSON
ships
common carrier

Pneumatic Valve Spring Press

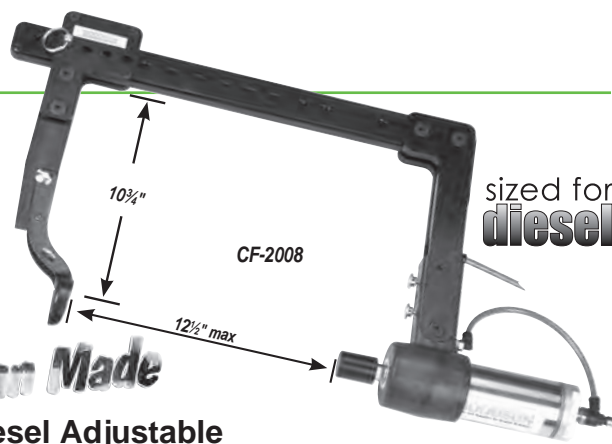
- Pneumatic valve support holds valve closed as you compress the spring
- Adjustable stainless steel plate won't damage the head
- 28mm Valve Spring Adaptor (**CF-502**) is standard with unit (other sizes are available)
- Ideal for use on heads with recessed springs • For aluminum and cast iron heads
- Ships fully assembled • Replacement Parts Available • Measures 28"L x 24"W x 26"H
- Includes Keeper Magnet (VKM-17)
- Order No. **PSB-5000** Jobber \$4999.99



CF-2002

9 1/2"

7 1/2" max.



CF-2008

10 1/2"

12 1/2" max

sized for
diesel

American Made

Adjustable Pneumatic Valve Spring Compressor

- Develops up to 325 lbs. of force with 130 PSI
- For springs from 3/4" to 1 3/4" dia.
- CNC-machined 6061 T6 aircraft-quality aluminum frame is adjustable in 1/4" increments
- Includes adjustable jaws (**CF-44**)
- Stainless steel cylinder with viton grade seals
- 2" cylinder travel • Fingertip controls • Full 1 year warranty

Description	Jobber	Order No.
Valve Spring Compressor	\$599.99	CF-2002
Replacement Parts and Accessories		
Valve Spring Adaptor Jaw	\$ 13.99	CF-44
1/4" Green Air Line (lin. ft.)	2.99	CF-2001-AL
Air Control Needle Valve	44.99	CF-2001-NV
Intake / Exhaust Cartridge	13.99	CF-2003-C
1/4" NPT L-Fitting	6.99	CF-2003-BCE
Air Cylinder 2" Travel	119.99	CF-2001-AC
1/8" NPT L-Fitting	4.99	CF-2003-L

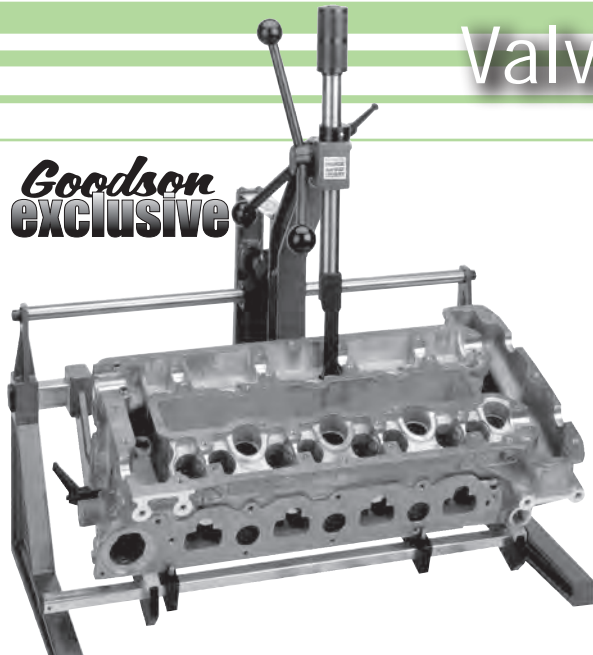
Diesel Adjustable Pneumatic Valve Spring Compressor

- Develops up to 325 lbs. of force with 130 PSI
- For springs from 3/4" to 1 3/4" dia.
- CNC-machined 6061 T6 aircraft-quality aluminum frame is adjustable in 1/4" increments
- Includes adjustable jaws (**CF-44**)
- Stainless steel cylinder with viton grade seals
- 2" cylinder travel • Fingertip controls • Full 1 year warranty

Description	Jobber	Order No.
Valve Spring Compressor	\$649.99	CF-2008
Replacement Parts and Accessories		
Valve Spring Adaptor Jaw	\$ 13.99	CF-44
1/4" Green Air Line (lin. ft.)	2.99	CF-2001-AL
Air Control Needle Valve	44.99	CF-2001-NV
Intake / Exhaust Cartridge	13.99	CF-2003-C
1/4" NPT L-Fitting	6.99	CF-2003-BCE
Air Cylinder 2" Travel	119.99	CF-2001-AC
1/8" NPT L-Fitting	4.99	CF-2003-L

Valve Spring Compressors

Goodson
exclusive



Speed Up Valve Spring Replacement With The Manual Valve Spring Bench

- Remove and install valve springs on heads with recessed springs
- 26"L x 22"W x 35"H footprint and weighs 31 lbs.
- Includes 28mm dia. spring adaptor (**CF-502**), other size spring adaptors also available (see chart below)
- Locking collar can be used to stop vertical travel or to keep the spring compressed while assembling keepers
- Frame tilts up to 25° in either direction for canted valves
- Full cylinder head support is adjustable from 0 to 45°
- Integral slide hammer easily releases stuck keepers
- Replacement parts available
- Includes Keeper Magnet (VKM-17)
- Order No. **CF-500** Jobber \$1699.99

Keeper Tools on p. 40-41



Lock Collar:

Can be used to stop vertical travel or to hold spring compressed while assembling keepers



Adjustable Frame:

Adjustable to 25° in either direction for canted valves



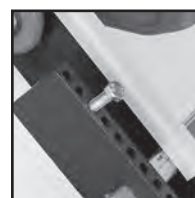
Locking Arm:

Holds the C-frame securely in position at the desired angle



Head Support:

Adjustable from 0-45° and locks in place



Dowel Pins:

Keeps the workpiece in place at any head support angle



Slide Hammer:

A quick tap releases keepers that are stuck in retainers

Spring Adaptors for Valve Spring Benches

- Fit both manual (**CF-500**) and pneumatic (**PSB-5000**) spring benches
- 1/2" pin diameter
- Solid steel construction with nylon wear insert
- Nylon insert is replaceable



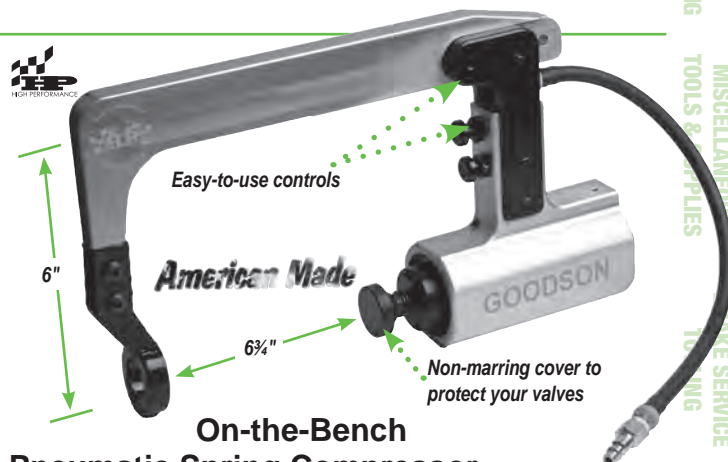
Description	Reach	Jobber	Adaptor	Jobber	Insert
18mm	4 1/2"	\$259.99	CF-518	\$21.99	CF-518-1
23mm	4 1/2"	259.99	CF-501	21.99	CF-501-1
28mm	3 1/2"	259.99	CF-502	21.99	CF-502-1
35mm	2 1/2"	259.99	CF-503		insert not required

Conversion Calculator

We've tried to convert as many SAE measurements to Metric (and vice versa) as possible. In some cases there hasn't been enough room.

If you need to convert a measurement, here are the formulas:

Starting Measurement	Conversion Formula	Converted Measurement
Inches (in)	Inches x 25.4	Millimeters (mm)
Feet (ft)	Feet x .3048	Meters (m)
Millimeters (mm)	Millimeters ÷ 25.4	Inches (in)
Fahrenheit (F)	(F - 32) x (5 ÷ 9)	Celsius (C)
Celsius (C)	(C x 9 ÷ 5) + 32	Fahrenheit (F)



On-the-Bench Pneumatic Spring Compressor

- Certified for springs up to 1000 lbs. at 70 PSI!
- Standard heavy-duty jaw fits springs up to 1.600" diameter
- Optional jaw fits springs to 1.740" diameter
- Features a dual stage cylinder that produces more force each time the control is pressed
- **Guaranteed to a maximum of 90 psi/620.5 kPa pressure**

Description	Jobber	Order No
Hi-Perf. Spring Compressor with 1.600" ID Jaw	\$999.99	GSC-1000
Replacement Standard Jaw, 1.600" ID	123.99	GSC-3002
Adaptor Jaw, 1.740"/44.2mm ID	123.99	GSC-3003
LS1 Series Jaw Adaptor (1.750 OD) use with GSC-3003	36.99	GSC-3000-LS1
Rebuild Seal Kit (includes Intake Button Return Spring)	99.99	GSC-3000SK
Replacement Intake Button Return Spring	59.99	GSC-3004
Intake Trigger Assembly	62.99	GSC-20004A
Exhaust Trigger Assembly	54.99	GSC-20004B
Delrin Presser Cap	19.99	B-10005C

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

ENGINE SERVICE
TRAINING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



"You'll always get fast, reliable service from Goodson, even on international orders. We'll do whatever it takes to make sure you get your shop supplies as quickly and easily as possible - anywhere in the world."

- Kim, Goodson Export Sales Manager, 38 years of service

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

TOOLING
BRAKE SERVICE

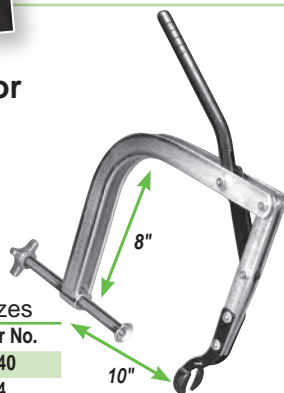
MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

Manual Valve Spring Compressor

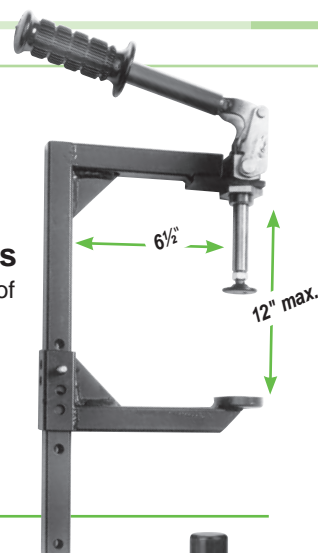
- Weighs only 6 lbs
- High leverage allows for easy, one-hand operation
- Covers a range from 10"H to 8"D
- Works with most L-head and valve-in-head engines
- Fits truck & tractor engines
- Jaws adjust for different spring sizes

Description	Jobber	Order No.
Spring Compressor	\$92.99	CF-140
Replacement Jaw Set	13.99	CF-44
HD Replacement Jaw Set	33.99	CF-44HD



Manual Valve Spring Compressors

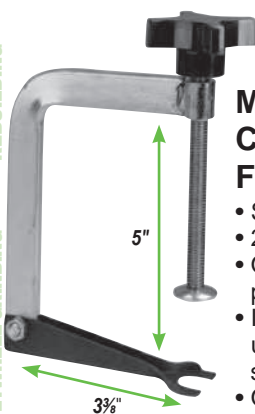
- Handle valve springs from a range of applications
- Welded, gusseted all-steel construction takes plenty of abuse
- Plenty of leverage to compress valve springs
- Order No. **CF-1500** Jobber \$249.99



small engine
powersports

Manual Valve Spring Compressor For Small Engines

- Steel construction
- 20# max. spring pressure
- Once you lock the compressor in position, your hands are free to work
- Includes 2 jaw sets - small, for springs up to 7/8" (22.2mm) and large, for springs up to 1 1/16" 27.0mm)
- Order No. **CF-600** Jobber \$27.99



Valve Spring Compressor Adaptor

- Fit seat and guide machines or drill press
- Puts collet or drill press chuck behind adaptor
- Allows more room to remove or re-install valve keepers and associated components
- Fits 1/2" collet or Jacobs chuck (not included)

OD (mm)	Reach (mm)	Jobber	Order No.
3/4" (19.1)	3 3/4" (95.3)	\$44.99	CF-6
1 1/16" (20.6)	3 3/4" (95.3)	44.99	CF-8
1" (25.4)	3 3/4" (95.3)	44.99	CF-10
1 1/4" (31.7)	3 3/4" (95.3)	44.99	CF-12
1 1/2" (38.1)	3 3/4" (95.3)	44.99	CF-15



Keeper Installation Tools

- Spring-loaded plunger
- For single & multi-groove keepers
- Reaches keeper grooves located farther from the valve tip • Ideal for use with **CF-500** (p. 39) and **PSB-5000** (p. 38)

Best Keeper Tool
on the Market!

Size	Jobber	Order No.
5mm / .2031"	\$82.99	VKI-5
6mm / .2344"	82.99	VKI-6
7mm / .2812"	82.99	VKI-7
8mm / .3125"	82.99	VKI-8
Replacement Rubber Sleeve	6.99	VKI-56



Adaptors for Deeply Recessed Springs

- Open top design gives easy access to keepers
- Durable, non-marring material
- Fit on Split-Jaw Spring Adaptors such as our **CF-44** (p. 39)

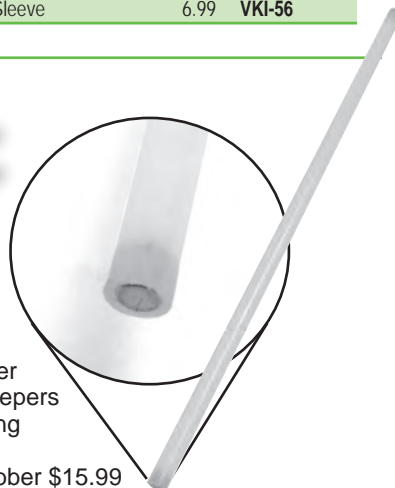


Description	OD	Height	Jobber	Order No.
Small Metal Adaptor	26mm	4" (101.6mm)	\$29.99	CF-32
Medium Nylon Adaptor	27mm	3" (76.2mm)	29.99	CF-24-G
Large Nylon Adaptor	32mm	3" (76.2mm)	29.99	CF-25-G

One of the
handiest keeper
tools you'll ever
find!

Keeper Magnet

- 6 5/16" long holder fits easily into deep bores
- Powerful .170" diameter earth magnet holds keepers securely when removing or installing
- Order No. **VKM-17** Jobber \$15.99



Small OHV Engine Keeper Removal & Installation Tool

- Easy to use - Uses your own body weight as leverage
- Works with 3.5mm to 5.5mm single groove valves only
- Complete set includes a remover with powerful magnet to hold the keepers in place after removal, universal installer and two non-slip valve chamber pads
- Order No **VKI-35** Jobber \$79.99 Closeout Price \$37.26 No Discounts off Closeout Price! Subject to Stock on Hand!

Sale!



Valve Spring Compressors

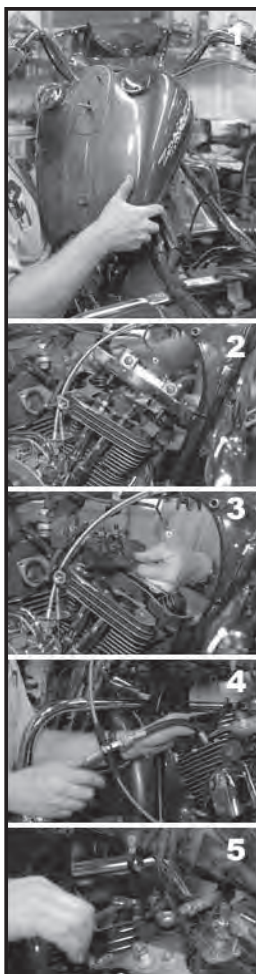


V-Twin On-the-Engine Valve Spring Compressor

Replace broken valve springs, install high performance valve springs, remove and replace valve guide seals all without disassembling the bike. Just remove the gas tank and get to work. Use on Sportster, Evolution, Twin-Cam and most aftermarket V-Twins. Kit includes valve spring compressor, adaptor for compressing beehive springs, valve seal driver/installer and head pressurizing hose. Order No. **CF-HDIF** Jobber \$164.99

tech tips

from the techxperts™



1 – Place the transmission in gear with rear wheel firmly on the working surface and front wheel locked. Remove the rider's seat and disconnect the negative battery terminal. Remove the gas tank according to manufacturer's instructions.

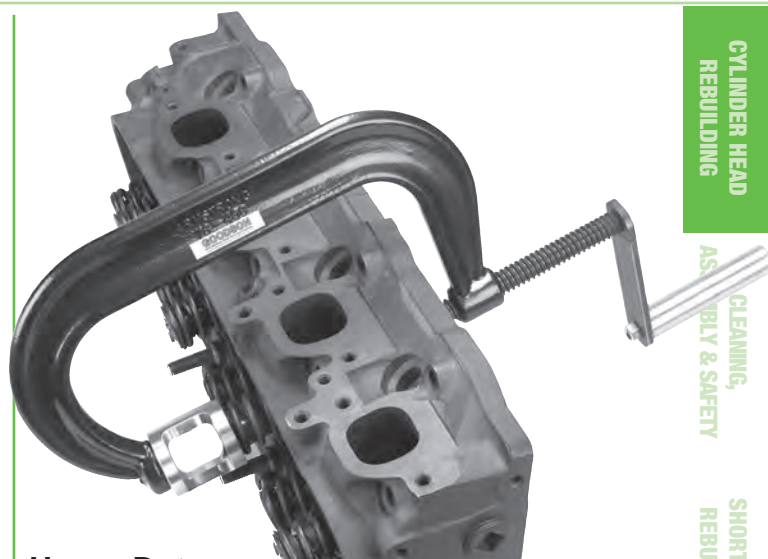
2 – Fully expose the valve springs by removing the complete rocker box assembly, including the lower rocker arm cover. Remove any other brackets that could interfere with mounting the Valve Spring Compressor plate.

3 – Mount the Valve Spring Compressor base on the cylinder head. Position the large hole over the valve spring with the two threaded studs pointing at the same angle as the valve stem. Tighten fasteners in place.

4 – Using standard shop air (90-120 PSI), pressurize the cylinder through the spark plug hole. This is done to prevent the valve from falling.

5 – Using standard wrenches, compress the valve spring, remove the keepers and retainers. You can now replace the valve spring or seals.

Repeat the process until all springs or seals have been taken care of.



Heavy Duty Manual Valve Spring Compressor

- Drop forged steel frame
- Open receiver design allows for quick access to keepers
- Accommodates springs up to 1 3/4" diameter
- 8 1/2" throat • 6" deep
- Compresses springs up to 1000 pounds

Description	Jobber	Order No.
Manual Valve Spring Compressor	\$279.99	CF-1300
Small Receiver (OD: 1.625", ID: 1", Height: 2.156")	79.99	CF-1300SF
Large Receiver (OD: 2.0", ID: 1.197", Height: 2.25")	89.99	CF-1300LF



Valve Spring Adaptor Jaws

- Fit frames with double locking screws to secure jaws such as Goodson **CF-2002**, **CF-2004**, **CF-2008** and **CF-140** • Heavy duty jaws are non-adjustable (Has a 1 5/8" max spring diameter)

Description	Jobber	Order No.
Standard Duty 1.000"-1.875" (25.4-47.6mm) Range	\$13.99	CF-44
Heavy Duty (non-adjustable)	33.99	CF-44HD

Keeper-Keeper

- Screws tightly closed to hold keepers securely
- 1/4" holes
- Ideal for tumbling keepers
- Solvent resistant PVC
- Order No. **VK-15**
- Jobber \$15.99



CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

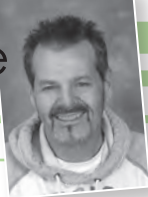
CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



"We work hard to get the right products in the right boxes and ship them to the right address every single time."

- Shawn, Goodson Shipping, 3 years of service

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

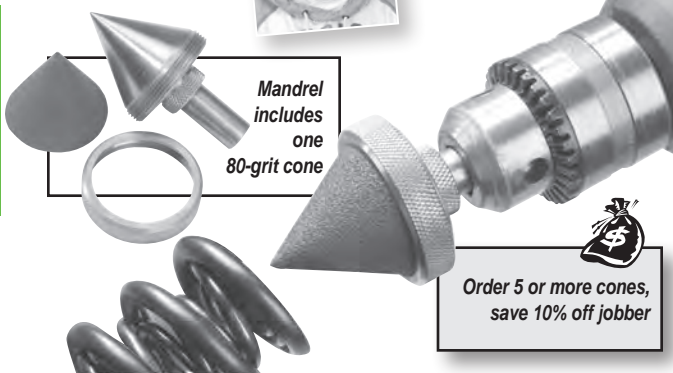
CRANKSHAFT/
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MISCELLANEOUS
TOOLS & SUPPLIES

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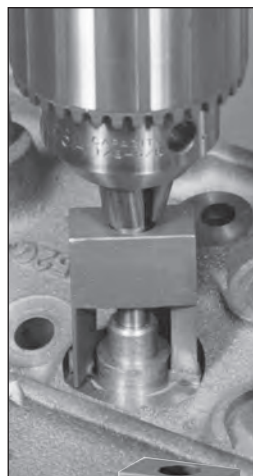
Mandrel
includes
one
80-grit cone

Order 5 or more cones,
save 10% off jobber

Small Chamfering Cones & Mandrels Make Deburring and Chamfering Easy In Tight Spaces

These mandrels are available in two diameters – 3/4" and 1 1/2" diameters with a 1/2" shank to fit most portable drills. The small diameter fits easily into tight spaces such as Beehive Valve Springs (see page 127) or bolt holes. The mandrel is designed to support a 60° abrasive cone which is held securely by the retaining ring. One 80-grit cone is included with initial purchase.

Description		Jobber 1+	Jobber 5+	Order No.
3/4" Dia. Mandrel		\$64.99		CC-34
3/4" Dia. Abrasive Cones	80 grit	3.99	\$3.69	CC-35
	120 grit	3.99	3.69	CC-36
1 1/2" Dia. Mandrel		\$69.99		CC-60
1 1/2" Dia. Abrasive Cones	80 grit	4.99	\$4.49	CC-61
	120 grit	4.99	4.49	CC-62



3-D Fast Cut™
Adjustable Spring Pad
Cutters on page 10



Valve Spring Seat Cutters

- Resize valve spring seats to maintain spring-to-valve concentricity or use to enlarge seats for over-size dual springs
- Requires special pilot – see chart below

Carbide Tipped Cutter Bodies
(use VP pilots below)

OD	ID	Jobber	Order No.
1.320"	.630"	\$94.99	VSS-1320
1.350"	.625"	94.99	VSS-1350
1.500"	.625"	94.99	VSS-1500
1.550"	.625"	94.99	VSS-1550
1.625"	.625"	94.99	VSS-1625
1.680"	.750"	94.99	VSS-1680HD
1.750"	.625"	94.99	VSS-1750

Hardened & Ground Pilots

Guide ID	Jobber	Order No.
.275"	7.0	\$34.99 VP-7MM
.312"	7.9	34.99 VP-312
.343"	8.7	34.99 VP-343
.375"	9.5	34.99 VP-375

tech tips

from the techxperts™

You must use these pilots with the VSS and VSC cutters. The flat sides are necessary for a proper fit.

Universal Gel Lube

- Sprays on as a liquid and forms into a gel within seconds
- Penetrating formula blends freely with motor oil
- Multiple uses, including cams, lifters, rocker arms, bearings, pistons/wrist pins, cylinders, etc.
- Provides lubrication for engines subjected to prolonged storage before initial start-up
- Aerosol*
- Order No. **GL-8U**
- Jobber 1+ \$18.99 ea., Jobber 6+ \$17.09 ea.

*Hazardous Goods Fees Will Apply if Shipped By Air



8 Piece Valve Train Checking Spring Set

- 1.250" OD
- Spring Steel construction
- Essential for high-performance engine building and engine blueprinting
- Maintain a positive valve train position while checking valve to piston clearance
- Order No. **VTS-8** Jobber \$31.99



**Buy the
Kit and
SAVE!**

Dial Indicated Valve Stem Height Gauges

- 5 sizes to choose from
- Small diameter extended measuring body allows extra height for dial indicator clearance
- Use with our large-faced Dial Indicator to check valve tip height



Description	Jobber	Order No.	Incl.
Valve Stem Height Gauge Kit w/Stand	\$229.99	VSH-KIT	▼
Dial Indicator (2" travel, .001" graduations)	72.99	MDI-2	x
Dial Indicator (1" travel, .001" graduations)	28.99	EDI-1	
Measuring Bodies	OD	ID	OAL
	.750"	.625"	3.830"
	.900"	.770"	2.840"
	.900"	.770"	3.840"
	1.060"	.812"	2.840"
	1.250"	1.090"	3.300"
Tool Stand	49.99	TS-5	x
1" Checking Standard	11.99	MCS-1	

More dial indicators on page 121

Non-Serrated Valve Spring Booster Shims

- Shims meet or exceed OE specifications
- Made of prime quality cold rolled steel
- Support valve springs better than serrated shims • Won't compress
- Maintains pressure and protects head from spring abrasion
- Non-serrated shims won't damage spring pad area on aluminum heads or cause lateral loads or harmonics

Special Orders are available. Call 1-800-533-8010 to inquire.

Size		50 count High Performance			100 count		
OD	ID	.060"	.030"	.015"	.060"	.030"	.015"
1.000"	0.688"				A-101	B-101	C-101
	0.765"				A-104	B-104	
1.100"	0.719"					B-106	
1.218"	0.875"				A-105	B-105	
1.250"	0.625"	A-107-HP	B-107-HP	C-107-HP	A-107	B-107	C-107
	0.812"	A-203-HP	B-203-HP	C-203-HP	A-203	B-203	C-203
	0.875"				A-201	B-201	
1.360"	1.000"	A-102-HP	B-102-HP	C-102-HP	A-102	B-102	
1.375"	0.765"	A-301-HP	B-301-HP	C-301-HP		B-301	
1.437"	0.785"	A-305-HP	B-305-HP	C-305-HP			
1.438"	0.645"	A-306-HP	B-306-HP	C-306-HP			
1.480"	0.703"	A-303-HP	B-303-HP	C-303-HP	A-303	B-303	
1.500"	0.645"	A-306S-HP	B-306S-HP	C-306S-HP			
	1.031"	A-103-HP	B-103-HP	C-103-HP	A-103	B-103	
1.634"	0.643"	A-601-HP	B-601-HP	C-601-HP			
Jobber		\$19.99	\$19.99	\$19.99	\$21.99	\$21.99	\$21.99

**No More Guesswork...
Measure CCs
Accurately!**

Cylinder Head CC-ing Equipment

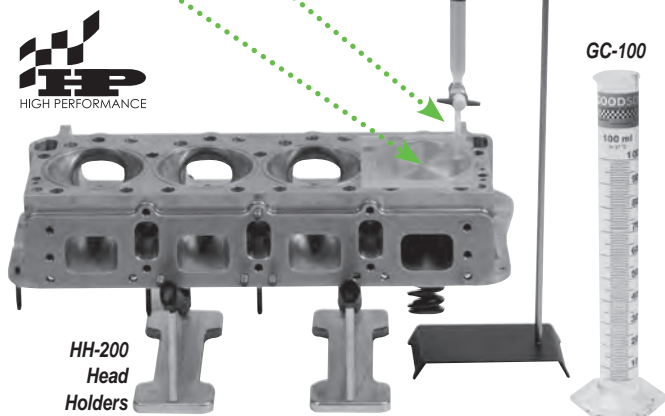
- Use glass buret with alcohol or solvent
- Positive on/off fluid control valve
- Clear acrylic plate lets you see when the combustion chamber is full
- Mix Measuring Concentrate with water to make 1 gallon

Description	Jobber	Order No.	Incl.
CC-Measurement Kit	\$169.99	CCB-KIT	▼
100cc Glass Buret	99.99	CCB-100	x
5" x 5" x 3/8" Acrylic Plate	11.99	GCB-3	x
Buret Cleaning Brush - 35 1/2" OAL	9.99	GCB-BRUSH	x
Buret Stand	18.99	GCB-1	x
Buret Clamp	18.99	GCB-2	x
Funnel	10.99	CCB-FUNNEL	x
Blue Measuring Liquid Concentrate (Yields 1 Gal.)	15.99	GCB-LIQUID	
4" Precision Cylinder Head Level	179.99	LEV-4	
Replacement Vial for 4" level	149.99	VGL-101	
100cc Glass Beaker	39.99	GC-100	
Universal Cylinder Head Holders (pair)	144.99	HH-200	



100cc Glass Buret allows use with alcohol or solvent with high-visibility red markings

Clamp gives you ability to fully adjust the height of the buret in relation to your cylinder head



CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



"We work hard to earn your business; every day, every order. You can count on Goodson to be your most reliable and friendly source for shop supplies."

- Richard, Goodson Customer Service Supervisor - 22 years of service

resharpening
available

PCD Inserts for Aluminum

- A must for shops committed to meeting today's strict surface finish requirements
- Fits machines with $\frac{3}{8}$ " and $\frac{1}{2}$ " CBN holder
- $\frac{1}{2}$ " diameter inserts require shim (included)
- Use with Resurfacing Spray (HPS-16) for best results (below)

Diameter	Thickness	Sided	Jobber	Order No.
$\frac{3}{8}$ " (9.53mm)	$\frac{1}{8}$ "	Single	185.99	PCDS-375
$\frac{1}{2}$ " (12.7mm)	$\frac{1}{8}$ "	Single	239.99	2379264
$\frac{1}{2}$ " (12.7mm)	$\frac{3}{16}$ "	Single	195.99	PCDS-500
$\frac{1}{2}$ " (12.7mm)	$\frac{3}{16}$ "	Single	237.99	2379265
$\frac{1}{2}$ " (12.7mm)	$\frac{3}{16}$ "	Single w/screw hole	199.99	2X6145

tech tips Always cut with the dull
from the techxperts™ finished side of the insert

CBN Cutter Inserts For Cast Iron

- Faster and cleaner than segments and wheels

Titanium-Nitride Coated				Goodson		Uncoated		Radiac	
Dia.	Thick.	Sided	Jobber	Order No.		Jobber	Order No.		
$\frac{3}{8}$ "	$\frac{1}{8}$ "	Double	\$185.99	CBN-375D					
	$\frac{1}{8}$ "	Single	164.99	CBN-375S					
$\frac{1}{2}$ "	$\frac{1}{8}$ "	Double	236.99	CBN-500D*	\$207.99	2X5299			
	$\frac{3}{16}$ "	Single	257.99	CBN-500S	227.99	2359233			
	$\frac{3}{16}$ "	Solid			289.99	2359234			
	$\frac{3}{16}$ "	Single Sided with Screw Hole			204.99	2X6144			
	$\frac{3}{16}$ "	Special Edge Prep for Diesel			224.99	2379268			
Sharp Uncoated									
$\frac{3}{8}$ "	$\frac{1}{8}$ "	Single	\$144.99	CBNS-38					
$\frac{1}{2}$ "	$\frac{3}{16}$ "	Single	174.99	CBNS-12					
$\frac{1}{16}$ "	Thick Carbide Shim*		22.99	CBN-500SHIM					

*Shim required on DCM machine

CBN Resharpener Service

Send your CBNs to Goodson to have them sharpened

Description	Jobber ea.	Order No.
Single Sided CBN Resharpener	\$49.99	RESHARP-CBNS
Double Sided CBN Resharpener	59.99	RESHARP-CBND

Enlarged for clarity

Super Abrasive For Cast Iron Diesel Heads

- Designed for cast diesel heads with hardened pre-cups • Won't chip
- Fits all overhead surfacers with $\frac{1}{2}$ " dia. insert capacity • Will NOT work on standard cast heads • .500" (12.7mm) dia. • .125" (3.2mm) thick
- Order No. DRD-500 Jobber \$369.99

*NOTE: A $\frac{1}{16}$ " thick carbide shim must be used with DRD-500 on DCM machines

• Order No. CBN-500SHIM Jobber \$22.99

High Performance Resurfacing Spray

- Prolongs cutter life
- Enhances surface finish
- Refreshing scent
- Aerosol*
- Order No. HPS-16

Jobber 1+ \$13.99 ea.
Jobber 6+ \$12.59 ea.

*Hazardous Goods Fees Apply
When Shipped By Air



Belt Resurfacer Coolant

- Semi-synthetic
- Rust-inhibiting
- For ALL belt resurfacers with a coolant sump
- Dilute 30 parts water:1 part coolant

Size	Jobber	Order No.
1 Gallon (3.79L)	\$ 47.99	SGB-10
5 Gallons (18.39L)	229.99	SGB-50

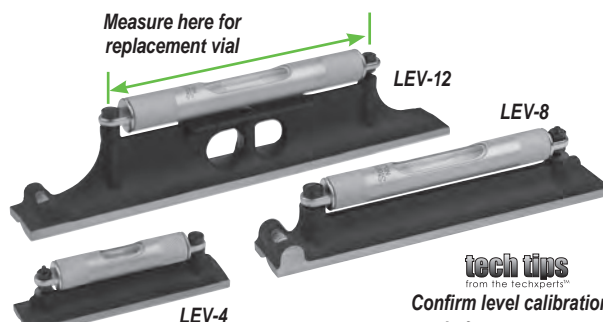


tech tips
from the techxperts™
Confirm level calibration
before every use



2-Way Resurfacing Set-up Level

- Top-quality CNC machined T-6 aluminum frame with hardened & ground tool-steel contact pads
- Level both directions at once • Includes two 6" precision vials (LEV-8-1) • Weighs just 2 lbs.
- Order No. LEV-TR Jobber \$439.99



tech tips
from the techxperts™
Confirm level calibration
before every use

Starrett

Precision Levels & Vials

- Graduated vials with satin-chromed, brass protective covers that rotate to close tightly
- Base castings are seasoned, then precision machined and finished on a bearing surface • Replaceable vials
- Adjustable for precise calibration
- 1 division equals .0005" per inch
- Fits pilots from 6mm to .437"



VGL-100
(use with
your pilot
or find on
page 1)

Description	Jobber	Order No.	Replacement Vial
4" Valve Guide Level (3" vial)	\$269.99	VGL-100	\$149.99 VGL-101
4" Level (3" vial - nominal)	179.99	LEV-4	149.99 VGL-101
8" Level (6" vial - nominal)	269.99	LEV-8	159.99 LEV-8-1
12" Level (8" vial - nominal)	399.99	LEV-12	199.99 LEV-12-1

See goodson.com for level calibration instructions



Cylinder Head Resurfacing

Abrasive Industrial Supplies

Need a Different Size or Grit or Material?

We can make the size you need. Specify grit, grain and size and we'll take it from there. Call **1-800-533-8010** for info!

Cylinder Head Resurfacing Belts

A belt has three important parts: abrasive, bond and backing. Goodson belts are made for top performance and long life. Our belts also feature a unique splice that permits use in both directions for even longer wear; when worn one way, turn belt around to resurface more heads.

Abrasive: Match the abrasive to the workpiece (aluminum, cast iron or steel) and to your machine for the longest belt life.

Bond: Double-layer, heat-resistant resin holds abrasive firmly. Bond is so strong that grains wear out instead of loosening.

Selection Guide: which abrasive works best on what materials...

ALUMINUM	CAST IRON	STEEL	Zirconia-Alumina (40g)
			Silicon-Carbide (40g)
			Silicon-Carbide (80g)



Buy 3 or 4 belts, save 10% off jobber

Buy 5 or more, save 15% off jobber

See list of machines and belt sizes below to determine which belt(s) you need.

Silicon-Carbide 40-grit:

- Good-quality • Black
- Primarily for cast iron but can resurface aluminum if extra care is used
- Down-pressure optional

Silicon-Carbide 60-grit:

- Good-quality • Black
- Primarily for cast iron but can resurface aluminum if extra care is used
- Down-pressure optional

made to order

Silicon-Carbide 80-grit:

- Good-quality • Black
- Designed especially to resurface aluminum
- Down-pressure not recommended

Zirconia-Alumina 40-grit:

- Better-quality
- Blue
- Grains fracture under pressure to stay sharp
- For cast iron or steel
- Down-pressure recommended

Zirconia Alumina With Grind Aid - 40-grit:

- Premium-quality belt with pre-applied Grind Aid • Blue/Green
- Excels on severe applications
- Grains fracture under pressure to stay sharp
- For stainless steel, alloy
- Down-pressure required

Belt Size	Jobber	Order No.	Jobber	Order No.	Jobber	Order No.	Jobber	Order No.	Jobber	Order No.
10" x 103"	\$44.99	SGS-10-103-40	\$43.99	SGS-10-103-60	\$39.99	SGA-10-103	\$49.99	SGB-10-103	\$59.99	SGZ-10-103
11 7/8" x 76"	34.99	SGS-11-76	34.99	SGS-11-76-60	33.99	SGA-11-76	41.99	SGB-11-76	52.99	SGZ-11-76
11 7/8" x 79"	37.99	SGS-11-79	36.99	SGS-11-79-60	35.99	SGA-11-79	44.99	SGB-11-79	54.99	SGZ-11-79
11 7/8" x 89"	41.99	SGS-11-89	39.99	SGS-11-89-60	38.99	SGA-11-89	47.99	SGB-11-89	58.99	SGZ-11-89
11 7/8" x 91"	41.99	SGS-11-91	39.99	SGS-11-91-60	38.99	SGA-11-91	48.99	SGB-11-91	62.99	SGZ-11-91
11 7/8" x 101"	44.99	SGS-11-101	41.99	SGS-11-101-60	41.99	SGA-11-101	54.99	SGB-11-101	64.99	SGZ-11-101
14" x 86"	45.99	SGS-14-86	45.99	SGS-14-86-60	43.99	SGA-14-86	56.99	SGB-14-86	67.99	SGZ-14-86
14" x 103"	52.99	SGS-14-103	49.99	SGS-14-103-60	48.99	SGA-14-103	69.99	SGB-14-103	74.99	SGZ-14-103
14" x 107 1/2"	54.99	SGS-14-107	53.99	SGS-14-107-60	52.99	SGA-14-107	74.99	SGB-14-107	79.99	SGZ-14-107
14" x 113 1/2"	59.99	SGS-14-113	58.99	SGS-14-113-60	57.99	SGA-14-113	79.99	SGB-14-113	81.99	SGZ-14-113
15" x 127 1/2"	64.99	SGS-15-127	64.99	SGS-15-127-60	63.99	SGA-15-127	81.99	SGB-15-127	89.99	SGZ-15-127

Colors may vary due to manufacturing process. Guaranteed for 1 year from original purchase date.

tech tips

Belt/Machine Compatibility from the techxperts™

Belt Size	Machine(s)
11 7/8" x 76"	Winona Van Norman BG-600
11 7/8" x 79"	RMC, Peterson RG-1203
11 7/8" x 89"	RMC-800, Serv-Equip PG-1229
11 7/8" x 91"	Peterson RG-1234, Kansas Instruments
14" x 86"	Automotive Craftsman
14" x 103"	Master Tool
14" x 107"	Kwik-Way 870 Master Surfacers
14" x 113 1/2"	Storm Vulcan/Anderson AB-1000A, Peterson PG-1400
15" x 127 1/2"	Storm Vulcan/Anderson AB-1540A, Anderson AB-1560, IDL HS-4350, Peterson PG-1500, Winona Van Norman BR-1500, BG-1515 & BG-1520



Tool Bits For Van Norman 530, 570 Rotary Broaches

- Can be resharpened
- Order No. **VN-65C**
Jobber 1+ \$19.99 ea.
Jobber 8+ \$17.99 ea.



Enlarged for clarity



Carbide Cutter Replacement Tips For Storm Vulcan Broach Style Surfacers

- Fits Storm Mill 85, 85B, 85BE, 85C, 85N and 280
- Order No. **SV-85BE**
Jobber \$29.99

CYLINDER HEAD
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CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



"We are committed to maintaining your privacy. Information about you and your business is never sold, rented or given to anyone outside of our company."

- Sue, Goodson Office Manager - 36 years of service

SAVE!

Buy a complete set of 8 or more segments and take 10% off jobber!



tech tips

from the techxperts™

4 Keys to Resurfacing Aluminum Heads

1 - Choose the correct abrasive

Use a speckled wheel segment to grind aluminum heads.

2 - Lubricate, Lubricate, Lubricate

Put a light coat of **Grind Aid (GRA-10)** on the abrasive to reduce aluminum build up. Speed up the travers and reduce the cut to .0005" to .0010" per pass.

3 - Dress for Success

Keep grains open by dressing often. Don't dress before the last pass, but be sure to apply Grind Aid liberally so the stone yields a finer surface finish.

4 - Keep heat build-up to a minimum

The greatest danger is heat build up that can cause scoring as aluminum transfers to the stone. Take shallow cuts and use plenty of lubrication to prevent this.

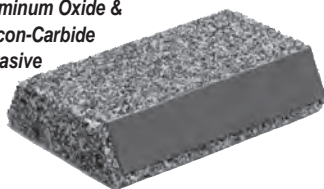
Silicon-Carbide
Abrasive



Aluminum Oxide Abrasive



Aluminum Oxide &
Silicon-Carbide
Abrasive



Aluminum
Oxide
Abrasive



Resurfacing Wheel Segments

Segments are available in a variety of compositions.

Match the abrasive to the material for best results and longest life. Order segments in 8, 10 or 12 piece sets.

Width	Thickness	Length	Application	Abrasive	Color	Jobber 1+	Jobber 8+	Order No.
2.56"/65mm	0.98"/25mm	3.94"/100mm	Cast Iron & Aluminum	Silicon-Carbide	Black	\$21.99	\$19.79	GS-PBS
			Steel & Hardened Metals	Aluminum Oxide	White	21.99	19.79	GS-PBS-1
			Aluminum, Cast Iron, Hardened Iron & Steel	Aluminum Oxide and Silicon-Carbide	Speckled	21.99	19.79	GS-PBS-2
			Steel & Hardened Metals	Aluminum Oxide	Ruby	21.99	19.79	GS-PBS-3
		For Peterson/Peterson Berco 1055 AWL, RSC950 (std.), SYP320, -360, -1000, -1300, RSC1200, -1550, RPYS1500 models. For Winona Van Norman SM-2000, SM-4000/5000, MG-4000, SM-6000C/6000A and MG-3000/3850 models. For Storm Vulcan RT7Y Late (Serial No. 103152 and up) and RT 17Y Late (Serial No. 128697 and up) models.						
3.13"/79mm	0.81"/21mm	3.13"/79mm	Cast Iron & Aluminum	Silicon-Carbide	Black	\$21.99	\$19.79	GS-SVS
			Aluminum, Cast Iron, Hardened Iron & Steel	Aluminum-Oxide and Silicon-Carbide	Speckled	21.99	19.79	GS-SVS-2
			Steel & Hardened Metals	Aluminum Oxide	Ruby	11.93		GS-SVS-3
		For Peterson/Peterson Berco RG-32, RTY, RG-35, RG-300/900 models. For Storm Vulcan RT 7Y Early (Serial no. up to 103151) and RT 17Y Early (Serial no. up to 128696)						
1.97"/50mm	0.67"/17mm	3.62"/92mm	Cast Iron & Aluminum	Silicon-Carbide	Black	\$21.99	\$19.79	GS-RGS
For Peterson/Peterson Berco RG-32, RG-300/900 models.								
2.56"/65mm	0.79"/20mm	3.94"/100mm	Steel & Hardened Metals	Silicon-Carbide	Black	\$21.99	\$19.79	GS-KWS
			Aluminum, Cast Iron, Hardened Iron & Steel	Aluminum-Oxide and Silicon-Carbide	Speckled	21.99	19.79	GS-KWS-2
For Kwik-Way 858 and 862 models								

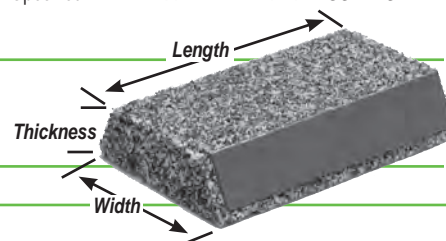
tech tips

from the techxperts™

To maintain proper cutting action Goodson strongly recommends that you replace your cylinder head resurfacing segments in full sets. See your user's manual for wheel diameter and number of segments required. Due to manufacturing process colors may vary.

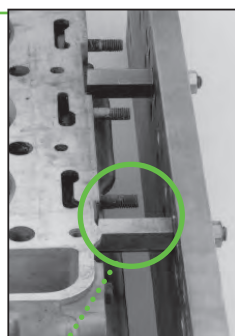
Need help choosing the abrasive? Call the Goodson Techxperts™

Resurfacing Segments are guaranteed for 1 year from original purchase date



Import / Metric Cylinder Head Stud Stretchers

- Save time, don't remove the studs from a head for resurfacing
- Put stud stretchers on two studs and leave the rest
- Sold in pairs



Length	Thread	Jobber	Order No.
3"	8mm x 1.25	\$54.99	SS-20
3 3/4"	8mm x 1.25	54.99	SS-30
3 3/4"	10mm x 1.25	54.99	SS-40



Surface Grinding Coolant for Segments and Single-Piece Wheels

- Synthetic
- Water soluble
- Non-foaming • Dilute 20:1

Size	Jobber	Order No.
1 Gallon / 3.78 L	\$ 29.99	SGC-10
5 Gallons / 18.93 L	139.99	SGC-50



"Goodson accepts major credit cards, debit cards, bank drafts and personal checks. Call us for more information."

- Bev, Goodson Accounting Manager - 38 years of service

**Goodson
exclusive**

CYLINDER HEAD
REBUILDING

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SHORT BLOCK
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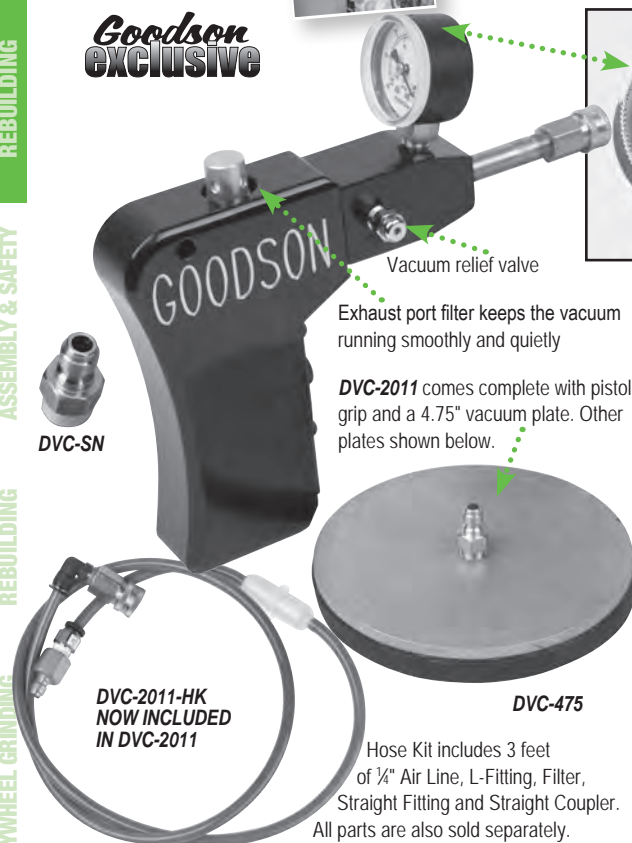
CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



Pistol Grip Vacuum Tester

- Lightweight - only 1.9 lbs. without the plate
- Pulls and holds up to 24" vacuum on as little as 90 PSI • Quick coupling Robinair fittings
- Easy to reach controls for single-handed operation
- Hard-anodized billet aluminum
- Tester includes one 4.75" vacuum plate and hose kit with filter

Description	Jobber	Order No.	
Pistol Grip Vacuum Tester Kit	\$649.99	DVC-2011	Incl. ▼
Optional Vacuum Plates			
Robinair Fitting Replacement Plate Set	\$159.99	DVC-7KIT	▼
2.00" (50.8mm dia.)	24.99	DVC-2	x
3.00" (76.2mm dia.)	26.99	DVC-3	x
4.75" (120.7mm dia.)	26.99	DVC-475	x x
6.00" (152.4mm dia.)	29.99	DVC-6	x
2"x3" (50.8x76.2mm)	22.99	DVC-23	x
3"x4" (76.2x101.6mm)	27.99	DVC-34	x
Plate Lube 8 oz. (236.6 mL)	5.99	DVC-PL	x
Parts & Accessories			
Pressure Gauge	\$39.99	DVC-GAUGE	
Flexible Hose Kit w/3' Air Line (optional)	39.99	DVC-2011-HK	▼
1/8" NPT "L" Fitting	4.99	CF-2003-L	x x
1/8" NPT Female Coupling	12.99	LDP-AR-6	x x
Inline Air Filter	11.99	DVC-FILTER	x x
1/8" x 1/4" Straight Fitting	6.99	DVC-SF	x x
Nipple Coupling	7.99	DVC-1N	x x
Air Line	lin. ft. price 2.99	CF-2001-AL	x x
Robinair Fitting	5.99	DVC-SN	
1/8" NPT Male Coupling	15.99	DVC-1M	

Exhaust port filter keeps the vacuum running smoothly and quietly

DVC-2011 comes complete with pistol grip and a 4.75" vacuum plate. Other plates shown below.

Hose Kit includes 3 feet of 1/4" Air Line, L-Fitting, Filter, Straight Fitting and Straight Coupler. All parts are also sold separately.

Heavy Duty Manual Vacuum Tester

- A steady reading of 25" (63.5cm) indicates proper valve seating
- All metal construction
- 4 1/4" plate, fittings and plate lube included
- DVC Plates (above) will fit this tester



Description	Jobber	Order No.
Manual Vacuum Tester	\$169.99	DVC-101-HD
Replacement 4.75" Plate	26.99	DVC-475
Plate Lube - 8 oz. (236.6 mL)	5.99	DVC-PL

Replacement Parts for Sioux™ 1630K Vacuum Tester

- Closed cell foam for an exceptional seal
- Replacement foam also available separately
- Several sizes to choose from
- Plate lube improves the seal for even better vacuum holding power

Sioux-Style Replacement Plates for the 1630K Tester

Size	OE No.	Jobber	Order No.
2.00" (50.8mm dia.)	1630-2	\$31.99	SVT-2
3.00" (76.2mm dia.)	1630-3	34.99	SVT-3
4.75" (120.7mm dia.)	1630-4	34.99	SVT-475
6" (152.4mm dia.)	1630-6	39.99	SVT-6
2"x3" (50.8 x 76.2mm)		31.99	SVT-23
3"x4" (76.2 x 101.6mm)		34.99	SVT-34
Replacement Sioux-Style Fitting		13.99	DVC-SX

Accessories & Replacement Parts

Description	Jobber	Order No.
6 Pc. Replacement Foam Set - 1 of each size	\$34.99	FOAM-KIT
Plate Lube - 8 oz. (236.6 mL)	5.99	DVC-PL
Replacement Line Filter	11.99	DVC-FILTER
Replacement Mat - 11" x 31" x 3/8"	41.99	DVC-1131

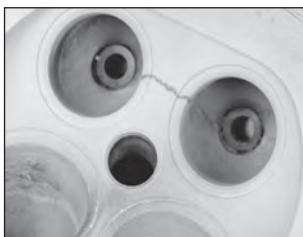


Replacement Gauge for Sioux™ 1630K Vacuum Tester

- Direct replacement for the gauge on the Sioux™ 1630 Vacuum Tester no longer available
- Easy to read gauge
- Order No. **1630-GAUGE**
Jobber \$44.99

Dye Penetrant Crack Detection

Identify surface cracks in minutes!



Alumni-Chek

- Find surface cracks on aluminum & cast iron without electricity or special lights
- Ideal for aluminum, but also works on brass, cast-iron, steel, carbide, and Stellite • Even the tiniest cracks show as bright red • Complete kit includes Cleaner, Penetrant, Developer and Shop Towels (also available separately)

Description	Jobber 1+	Jobber 12+	Order No.	Incl.
Complete Kit	\$39.99		AC-KIT*	▼
Cleaner Aerosol*	18.99	\$17.09	AC-1*	x
Penetrant Aerosol*	18.99	17.09	AC-2*	x
Developer Aerosol*	18.99	17.09	AC-3*	x
5 Towels	3.99		WST-5	x

Mix or match Cleaner, Penetrant & Developer to make a case of 12 and SAVE 10% OFF Jobber!

*Hazardous Goods Fees Apply When Shipped By Air



tech tips

from the techxperts™

- Step 1:** Spray cleaner evenly on the surface and allow it to dry completely.
- Step 2:** Spray on Penetrant. Allow to saturate for 5 minutes. Wipe off excess to avoid false readings.
- Step 3:** Spray on thin layers of developer to build up a uniform powdery film.
- Step 4:** Flaws and cracks will glow brightly when viewed under the black light (Applies only to Goodson Glow).

GOODSON Glow Crack Detection Sprays

- Easily detect surface cracks that could easily be missed with just visual inspection
- Cracks & flaws glow brightly under black light after treatment with Cleaner, Penetrant and Developer

Description	Jobber 1+	Jobber 12+	Order No.
Goodson Glo Cleaner Aerosol*	\$19.99	\$17.99	GLO-1*
Goodson Glo Penetrant Aerosol*	24.99	22.49	GLO-2*
Goodson Glo Developer Aerosol*	29.99	26.99	GLO-3*

Mix or match Cleaner, Penetrant & Developer to make a case of 12 and SAVE 10% OFF Jobber.

*Hazardous Goods Fees Apply When Shipped By Air



Oil Dye for Gasoline Engines

- Put into a running engine to find hidden leaks
- Check engines, transmissions and radiators **IN** the vehicle
- Use before disassembly to plan repairs
- Use after rebuilding to ensure satisfaction, or to find and fix warranty complaints
- Add dye to oil, coolant or fluid
- No pre-cleaning required
- Run vehicle briefly to distribute the dye
- Inspect with UV light (DFL-364 sold separately)
- Finds even the tiniest of leaks
- Order No. **GLO-GED** Jobber \$11.99



Crack Detection Powder & Oil Carrier

- For wet method crack detection
- Mix powder with oil carrier
- Use with Ultra Violet Inspection Light to view results

	Size	Jobber	Order No.
Powder	4 oz. / 113.4g	\$ 49.99	GCR-14A-4
	1 lb. / 453.6g	194.99	GCR-14A
Oil Carrier	5 Gallons / 18.93L	134.99	GCR-50



Maxxeon® WorkStar® 364 USB Rechargeable UV Leak Detection Pen/Inspection Light

- 3.7V 570mAh, 2.1 Wh Lithium battery with USB charger
- Run time: 35 min. continuous, 2 hr. intermittent operation
- Use with Goodson Glow for crack detection
- Easily adjustable beam to suit application
- Drop tested to 6 feet
- Order No. **DFL-364** Jobber \$39.99



Magnetic Crack Detection Oil

- Oil impregnated with magnetic powder (**GCR-14A** or **GCR-14A-4**) to glow under black-light
- Low viscosity
- Flows easily into small cracks
- Oil clarity makes cracks easier to see
- Order No. **MFA-50** Jobber \$157.99



CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



"Be sure to check out the Goodson website (goodson.com) for product specials, tech tips, Safety Data Sheets and much more."

- Janet, Goodson Marketing Manager, 20 years of service

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Now Includes
1 lb. Yellow Magnetic Powder (WCD-101-G)
and Bulb Applicator (WCD-266-G)

MMP-100

Ergonomic handle
design for less operator
fatigue.

Articulating legs adjust to a wide
range of angles, allowing you to
test uneven surfaces with ease

MMP-210

Specifications

MMP-100 / MMP-100S

Physical: 7 3/8" x 9 1/4" x 2 1/8"
187 x 235 x 54mm
Max. Span: 12" (304.8mm)
across poles
Voltage: 115V (MMP-100)
230V (MMP-100S)
Line Current: 4 amp (MMP-100)
3 amp (MMP-100S)
Weight: 6.5 lb (2.95 kg)
Cord: 10' L, 3-wire

MMP-210 / MMP-210S

Physical: 10 1/2" x 11" x 2 3/4"
266 x 280 x 70mm
Max. Span: 18" (457mm) across
poles
Voltage: 115V (MMP-210)
230V (MMP-210S)
Line Current: 8 amp (MMP-210)
3 amp (MMP-210S)
Weight: 13 lb (5.9 kg)
Cord: 10' L, 3-wire

Magnetic Crack Detection Units

- Articulating legs conform to virtually any surface configuration
- Designed for one-person operation • Lightweight • No transformer box to drag around • 230V units feature a pigtail on the cord • Easy to access switches • Full 1-Year Manufacturer's Warranty for Repair • 50% duty cycle (example: 2 minutes on, 2 minutes off) • Produce a strong AC magnetic field

Description	Jobber	Order No.
115V Electronic Crack Detector with 10# Pull	\$579.99	MMP-100
115V Heavy Duty Electronic Crack Detector with 22# Pull	689.99	MMP-210
230V Electronic Crack Detector with 10# Pull	579.99	MMP-100S
230V Heavy Duty Electronic Crack Detector with 22# Pull	679.99	MMP-210S

American Made Non-Fluorescent Magnetic Powder for Dry Method Particle Inspection

- Works with all dry magnets including Magnaflux® and Parker
- Store in a moisture free environment

Color/Size	1 lb.	5 lb.	25 lb.
White	WCD-100-G	WCD-500-G	WCD-2500-G
Yellow	WCD-101-G	WCD-501-G	WCD-2501-G
Red	WCD-103-G	WCD-503-G	WCD-2503-G
Jobber ea.	\$9.99	\$47.99	\$229.99

tech tips from the techxperts™

Let's talk about why we check for cracks in heads and blocks. The obvious reason is that you can't fix what you don't know is there. Cracks and pinholes in heads and blocks can lead to a loss of power in the engine,

resulting in poor performance. That, unfortunately, is the best-case scenario. Cracks or pinholes can also lead to overheating and complete engine failure, not to mention dissatisfied customers returning again and again in search of that elusive leak.

My recommendation is when a customer brings in a head or a block for you to work on, before you even take the piece, ask him a few questions.

Read more on the Goodson Blog. Search for "Holes In Your Head ... Or The Fine Art Of Crack Detection"



Magnetic Powder Applicators

- A quick & easy method for distributing magnetic powder

Description	Jobber	Order No.
Atomizer Assembly for small areas (1 oz.)	\$25.99	MM-301
Applicator Bulb for large areas	21.99	WCD-266-G
Replacement Bulb for Atomizer Jar	13.99	MM-301-1

Conversion Calculator

We've tried to convert as many SAE measurements to Metric (and vise versa) as possible. In some cases there hasn't been enough room.

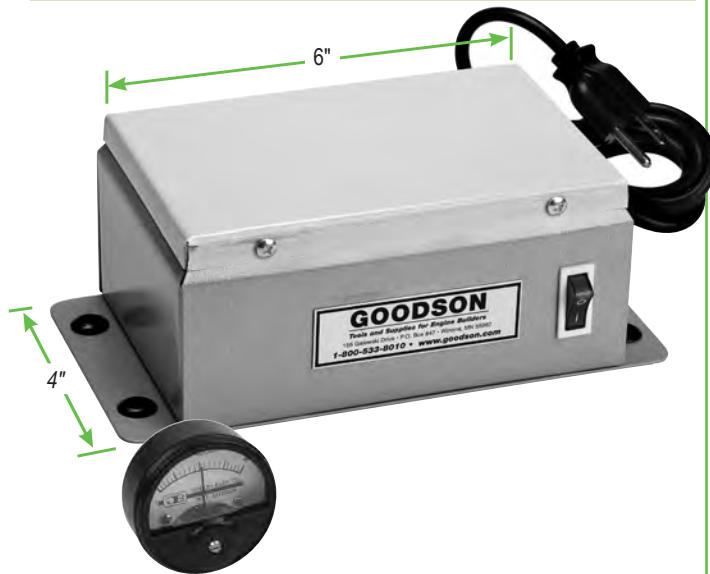
If you need to convert a measurement, here are the formulas:

Starting Measurement	Conversion Formula	Converted Measurement
Inches (in)	Inches x 25.4	Millimeters (mm)
Feet (ft)	Feet x .3048	Meters (m)
Millimeters (mm)	Millimeters ÷ 25.4	Inches (in)
Fahrenheit (F)	(5÷9) x (F - 32)	Celsius (C)
Celsius (C)	(9÷5) x (C + 32)	Fahrenheit (F)

tech tips

from the techxperts™

It is essential that you measure residual magnetism when using magnetic crack inspection. Magnetic fields are measured in gauss and the gauge used to measure it is a magnetic field indicator (**MFI-10010** below). To see if you have any residual magnetism in your components, simply hold the field indicator close to the part. If it doesn't read "0", you have magnetism.



Small Parts Demagnetizer

Don't jeopardize your engine work! Heat, friction and magnetic particle inspection can cause magnetism to build up in your engine components. If not removed, it will attract ferrous materials in engine lubrication and may cause premature engine failure. This easy to use table demagnetizer is a fast and easy way to ensure that all residual magnetism is eliminated from engine components. Use with the optional Magnetic Field Indicator (**MFI-10010**) to be sure all remaining magnetism has been fully eliminated.

Description	Jobber	Order No.
Small Parts Demagnetizer	\$99.99	SPD-46
Magnetic Field Indicator	79.99	MFI-10010



Magnetic Field Indicator

- Pocket Size indicator for measuring residual magnetism after demagnetizing or magnetic crack detection
- Positive/negative polarity in 10 divisions
- Reads in Gauss
- Non-calibratable
- Order No. **MFI-10010**
Jobber \$79.99

American Made



High Performance Crack Inspection Kit

Goodson carries a variety of magnetic crack detection methods including this kit. We include heavy-duty 110V adjustable-leg magnetic yokes made right here in America. The complete kit also includes our oil based magnetic powder spray and a UV Leak Detection Inspection Light

Description	Jobber	Order No.	Incl.
High Performance Crack Detection Kit	\$749.99	FCD-HP-KIT*	▼
115V Heavy Duty Electronic Crack Detector	689.99	MMP-210	x
Magnetic Crack Detection Oil Spray*	29.99	MFA-16*	x
Rechargeable Leak Detection Inspection UV Light	39.99	DFL-364	x

*Hazardous Goods Fees Apply When Shipped By Air



Maxxeon® WorkStar® 364 USB Rechargeable UV Leak Detection Pen/Inspection Light

- 3.7V 570mAh, 2.1 Wh Lithium battery with USB charger
- Run time: 35 min. continuous, 2 hr. intermittent operation
- Use with Goodson Glow for crack detection
- Easily adjustable beam to suit application
- Drop tested to 6 feet
- Order No. **DFL-364** Jobber \$39.99

Magnetic Crack Detection Spray

- Use with your magnetic crack inspection unit
- Applies quickly and easily — just spray it on the area you want to check
- Glows under black-light
- 16 oz. aerosol can
- Order No. **MFA-16**
Jobber \$29.99

*Hazardous Goods Fees Apply When Shipped By Air



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"At Goodson, we're always on the lookout for new or improved tools that make engine rebuilding easier. If you have a tool you think we'd be interested in, give us a call."

- Dave, Goodson National Sales Manager, 26 years of service

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shown actual size



melted center reveals
overheating



Heat Tabs

- Provides visual evidence of engine overheating
- Special heat sensitive metal centers melt and fall out when engine exceeds the melting point of the tab
- 100 Heat Tabs per package
- Attach to heads with Heat Tab Adhesive (below)

Description	Melting Point	Jobber	Order No.
Round Heat Tabs	255-260° F / 124-127° C	\$44.99	RHT-100
Round Ironite Heat Tabs	255-260° F / 124-127° C	77.99	HT-100RD
Round Diesel Heat Tabs	225-235° F / 107-110° C	52.99	DHT-100
Heat Tab Adhesive (3 oz./88.7mL tube)		9.99	HTA-3

tech tips

from the techxperts™

Protect yourself from unjustified warranty claims with a simple Heat Tab

When you attach a heat tab to the engine it provides visual evidence that an engine has been overheated. A special heat sensitive metal has been formed into the center of the tab. When an engine reaches the tab's melting point, this metal will melt and flow out. This is a positive method of determining that a rebuilt engine has been heated beyond normal operating temperature, voiding the warranty. Attach a Heat Tab to the upper portion of the block or to the cylinder head casting with **HTA-3** Heat Tab Adhesive (above).

DO NOT attach to manifolds or shielding.

Leak Detection Mat

- Commercial-grade Neoprene
- Resists petroleum products, abrasion, swelling, sunlight and aging
- Repair worn mats or make custom leak detection plates
- Measures 3' x 4' x 3/16" thick
- Order No. **LDP-34MAT** Jobber \$87.99



Seal-All™

- Seals pin holes, porosity and small cracks in heads & blocks
- Penetrates and seals
- Out-performs ceramics
- Bonds with existing rust & corrosion to prevent spread
- Heat at 175°-200°F (79.4°-93.3°C) for 4 hours to cure
- Not for use on assembled engines
- 32 oz. (46 mL)
- Order No. **CPS-32**
- Jobber \$72.99



Fluid Weld®

- For cast iron or aluminum heads and blocks
- Use as a sealant for threaded or press-fit parts like valve guides and seats, threaded crack repair plugs, replacement studs, etc.
- Seals small cracks • Non-toxic
- Non-flammable
- **NOT** for use on assembled engines
- Withstands temperatures to 3000°F



Size	Jobber	Order No.
2 oz. (59 mL)	\$ 46.99	FW-2
8.8 oz. (260 mL)	149.99	FW-88

All Weather Seal

- Seals intakes & head gasket leaks
- Seals cracks in cylinder heads & engine blocks
- Prevents anti-freeze from seeping through gaskets and hoses
- Lubricates water pump seals
- Mixes with all anti-freeze and coolant
- Works in less than 5 minutes
- Fast-acting, non-corrosive, non-clogging
- Can be used with coolant or anti-freeze
- 16 oz./455 mL • Order No. **AWS-16**
- Jobber \$19.99



For use in a
running engine!

Engine Seal Tabs Seal And Prevent Leaks In Any Cooling System

- Use in a running engine
- For water leaks in cylinder heads, blocks, radiators, water pumps, heater cores, manifolds, etc.
- 3½ gram tablets treat up to a 9 quart cooling system
- 10 tabs per pack
- Order No. **EST-10** Jobber \$30.99



Crack Repair

Threaded Crack Repair Plugs

- Iron • Tapered • Threaded plugs
- Cast to rigid specifications

Plug Size	Qty.	Jobber	Order No.
.200" x 1/8"	100	\$119.99	CRP-200
.200" x 1/2"	100	119.99	CRP-201
.235" x 1/8"	100	124.99	CRP-235
.327" x 1/8"	50	104.99	CRP-327

High Speed Steel Drills

- 118° points for fast chip removal

Plug Size	Jobber	Order No.
.200"	\$6.99	CRD-200
.235"	6.99	CRD-235
.327"	7.99	CRD-327

Tapered Reamers

- High Speed Steel

Plug Size	Jobber	Order No.
.200"	Not Required	
.235"	\$ 86.99	CRR-235
.327"	124.99	CRR-327

Tapered Taps

- High strength steel machined to match plug taper & thread

Plug Size	Jobber	Order No.
.200"	\$68.99	CRT-200
.235"	62.99	CRT-235
.327"	79.99	CRT-327

Ceramic Motor Seal

- Permanently seals leaking head gaskets, cracked heads and blocks (aluminum or cast iron)
- Coats the engine to inhibit rust formation and salt water corrosion during normal operation
- Seals porous castings in the cooling system
- Stops coolant leaks
- Not compatible with any anti-freeze or coolant, follow instructions on package
- Promotes heat dissipation for added power
- 16 oz./455 mL
- Order No. **CRS-16** Jobber \$22.99



Rust Inhibitor for Pressure Testing

- Clear fluid inhibits rust and does not discolor or cloud the test tank solution
- Lets you see better to pressure test
- Biocide and anti-rust additives extend tank solution life while preventing corrosion
- Synthetic formula
- Mix 20:1 with water
- Yields 20 gallons
- Order No. **PRI-10** Jobber \$29.99



.235" Crack Repair Kit

- Complete kit includes everything you need to repair cracked cast iron heads using the cold repair process • Manual included

Learn more about repairing cracks with this process; visit goodson.com and search for "Got Cracks? Here's How To Repair Them" or scan the code at right with your smart phone



Description	Jobber	Order No.	Incl.
Complete Repair Kit:	\$399.99	CRK-150	▼
100 - .235" x 1/8" Threaded Iron Plugs	124.99	CRP-235	1
High Speed Steel Drill	6.99	CRD-235	1
High Speed Steel Tapered Reamer	86.99	CRR-235	1
High Speed Steel Tapered Taps	62.99	CRT-235	2
Cut-Off Saw with Blade	27.99	CR-SAW	1
Replacement Saw Blade	9.99	CR-BLADE	1
Cutting & Tapping Fluid*	12.99	CTF-14	1
All Weather Seal (16 oz.)	19.99	AWS-16	1
Ceramic Motor Seal (16 oz.)	22.99	CRS-16	1

*Hazardous Goods Fees Apply When Shipped By Air

Jet Valve Eliminator Kit

- Some Mitsubishi/Chrysler 2.6L heads had jet valves while some didn't
- This kit lets you use a jet valve equipped head in place of one without
- 11mm diameter, 1.0 pitch threaded plugs replace entire valve body assembly
- Easier than welding the holes closed
- Package of 4 converts one 2.6L head
- Order No. **JVE-26** Jobber \$24.99



Head-Bolt Hole Clean-out Taps

- Clean threaded holes to prevent false torque wrench readings
- Lifts rust, dirt, chips and other debris as you remove the tool
- Use with lube and a socket wrench or slow drill
- Repairs minor damage

Size	Pitch	Length	Jobber	Order No.
1/2"	13	3 3/8" OAL	\$ 73.99	BCT-1/2
3/8"	14	3 3/8" OAL	59.99	BCT-7/16
10mm	2.0mm	8" Shank	159.99	BCT-10X2L
11mm	2.0mm	8" Shank	174.99	BCT-11X2L
11mm	1.5mm	8" Shank	134.99	BCT-11L

sized for LS-engines

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HARD PARTS



"We pride ourselves on getting orders to you quickly. We stock a wide variety of products in our warehouse and we use most shipping carriers so you can receive your order in 3 days or less."

- Shawn K. Goodson Shipping, 1 year of service

Brass or Steel Shim Stock Assortment Packs

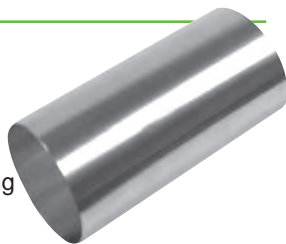
- A handy assortment • 4" x 6" each (120 sq. in.)
- One each of .001", .002", .003", .005", .010" thick

Description	Jobber	Order No.
Brass	\$12.99	SSB-50
Steel	12.99	SSS-51

new

Brass or Steel Shim Stock Rolls

- Roll measures 6" wide x 100" long
- Use only what you need
- Always have shim stock on hand



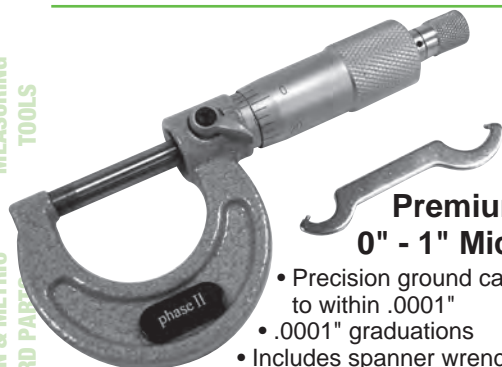
	Brass		Steel	
Thickness	Jobber	Order No.	Jobber	Order No.
.001"	\$29.99	SSB-01R	\$24.99	SSS-01R
.002"	29.99	SSB-02R	19.99	SSS-02R
.003"	32.99	SSB-03R	21.99	SSS-03R
.005"	34.99	SSB-05R	22.99	SSS-05R
.010"	46.99	SSB-10R	23.99	SSS-10R



12" Feeler Gauges

- Measure piston-to-wall clearance when honing, to find ring end gap and to check cylinder heads with a straight-edge
- Also useful for shimming while straightening heads and for machine set-ups

	Jobber	Order No.
Complete Kit	\$39.99	FE-KIT ▼
Thick .0015"	6.99	FE-0015 x
.0020"	6.99	FE-002 x
.0030"	6.99	FE-003 x
.0040"	6.99	FE-004 x
.0050"	6.99	FE-005 x
.0060"	6.99	FE-006 x
.0070"	6.99	FE-007 x
.0080"	6.99	FE-008 x
.0090"	6.99	FE-009 x
.0100"	6.99	FE-010 x
.0150"	6.99	FE-015 x
.0200"	6.99	FE-020 x



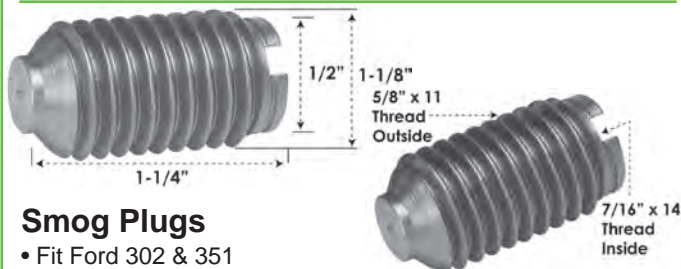
Premium 0" - 1" Micrometer

- Precision ground carbide anvil parallel to within .0001"
- .0001" graduations
- Includes spanner wrench & wood case
- More sizes on page 120
- Order No. **EMIC-01** Jobber \$39.99

Mercedes .015" Head Saver Shims



- Shim cam towers if more than .015" is removed when resurfacing head
- Restores valve clearance & timing
- For 4, 5 & 6-cylinder Mercedes gas or diesel engines
- Each set shims all cam towers in one head
- Order No. **MHS-40** Jobber \$13.99



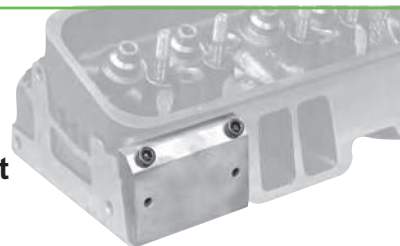
Smog Plugs

- Fit Ford 302 & 351
- Replace smog plugs damaged during head cleaning
- 5/8" x 11 thread outside, 7/16" x 14 thread inside
- Order No. **EMP-34**
- Jobber 1+ \$4.99 ea. Jobber 5+ \$4.49 ea.

Order 5 or more,
SAVE 10% off Jobber



GM Vortec Adaptor Plate Set For Van Norman & Storm-Vulcan Rotary Broaches



- Required when using the Van Norman VN 530 / 570 or Storm-Vulcan 850 Storm-Mill Rotary Broaches
- Two plate set • Includes fasteners
- Order No. **VN-VOR** Jobber \$59.99

Order 6 or more,
SAVE 10% off Jobber



Spray Assembly Lube

- Ideal for pre-lubricating parts to ease assembly
- Eliminates critical initial run-in of new and rebuilt high-performance engine components
- Spray on bearings, crankshafts, pistons, rings, etc.
- Aerosol*
- Order No. **SAL-11**
- Jobber 1+ \$14.99 ea. Jobber 6+ \$13.49 ea.

* Hazardous Goods Fees Apply If Shipped By Air



Misc. Cylinder Head

S-373P
Pilot shown installed

S-373D

S-437T

S-450-F

S-350G

Rocker Arm Stud Conversion Kit

- Convert pressed-in rocker arm studs to threaded studs
- Remove stud, face stud boss, then drill and tap the stud hole
- Use with a seat and guide machine

Description	Jobber	Order No.	Incl.
Conversion Kit	\$139.99	S-450-KIT	▼
Stud Boss Facer	129.99	S-450-F	x
3/8" Drill Bit	12.99	S-373D	x
1/8" x 14 Thread Tap	20.99	S-437T	x
3/8" Pilot	41.99	S-373P	
2 Pc. Tap Guide	41.99	S-350G	

Manual Rocker Arm Stud Puller

- Heavy-duty ball bearing action
- Creates less stress and friction
- Fits 5/16" (7.9mm) and 3/8" (9.53mm) threaded studs
- Not recommended for use on thermally cleaned heads

Description	Jobber	Order No.
Complete Stud Puller	\$124.99	SP-600
Drive Nut	24.99	SP-601
Puller Body	51.99	SP-602
5/16" and 3/8" Mandrel	51.99	SP-603
Thrust Bearing	12.99	SP-604

SP-603 •••

SP-601 •••

SP-604 •••

SP-602 •••

Universal Threaded Stud Extractor

- Use with your pneumatic impact tools & sockets (1/16" socket removes, 1/16" installs)
- Requires only 3/4" clearance to adjacent studs
- For threaded studs only
- Hardened 3-jaw clamping system
- Internal taper support
- Hollow body allows long studs to extend through the tool
- 1 1/2" dia. x 2 7/8" long • 1/4" - 1/2" range

Description	Jobber	Order No.
Universal Stud Extractor	\$154.99	PSR-500
Replacement Parts		PSR-JAWS
Jaws	117.99	
Spring Set	6.49	PSR-3S
Snap Ring	4.99	PSR-SR

Torque-Angle Indicator

- When torque is given as degrees of turn past a certain ft./lb., use this gauge to show degrees
- Hold metal base with one hand
- Plastic dial turns as you tighten
- Fits between a socket-driven extension and the socket
- 1/2" square drive
- Order No. **TQR-4554**
- Jobber \$21.99



... another satisfied customer

"Our Top Alcohol Dragster cylinder heads have about a zillion studs of various sizes. With the Goodson Stud Installers (below), we now make short work out of this very tedious process."

– Dean Dubbin, DMP Awnings (NHRA Top Alcohol Dragster), Goodson customer since 2010

Installation



1 - Insert stud into correct size installer.



2 - Hand set the stud into the cylinder head.



3 - Use a standard 3/4" wrench or socket to tighten stud into place. Each installer is fitted with a steel ball inside to prevent over-tightening.



Super-Stud™ Stud Installers

- Size stamped for easy identification
- Installers include a steel ball inside to prevent over-tightening on the stud

Description	Jobber	Order No.
Stud Installers		
3/8" Fine	\$24.99	ASI-375
3/8" Coarse	24.99	ASI-375C
7/16" Fine	29.99	ASI-437

Magnetic Finger Glove

- Turns your index finger into a powerful tool
- Holds any small magnetic part securely
- Complete jobs faster with less effort
- No more cuts from installing and retrieving metal parts
- One size fits most
- Order No. **RW-MAG**
- Jobber \$9.99



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PARTS



"We do our best to get our inventory on the shelves; professionally and correctly packaged and ready for when you need it."

— Shane, Goodson Receiving Supervisor, 4 years of service

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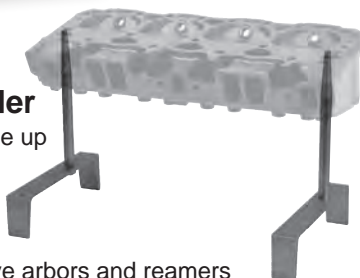
MEASURING
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American Made

Economy Cylinder Head Holder

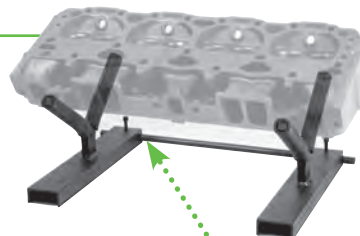
- Holds head with either side up
- Tapered pins fit any size head bolt hole and loosen with a twist
- Ideal for guide sizing with ample clearance to remove arbors and reamers
- All blackened steel construction
- Two piece set
- Order No. **HH-100-G** Jobber \$51.99



American Made

Ultra-Sturdy Cylinder Head Holder

- 360° stand holds head securely in position
- Tie-rod to prevent tipping
- Slip-resistant neoprene covered rails
- Fits domestic, foreign, truck & motorcycle heads
- 3-piece set
- Order No. **HH-450** Jobber \$99.99

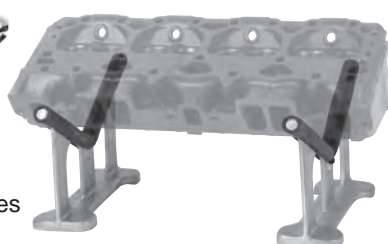


Set screws hold the two pieces firmly in place

American Made

Universal Cylinder Head Holder

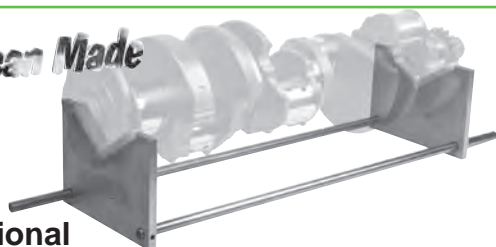
- Accommodates all types of cylinder heads
- Sturdy, durable, lightweight aluminum construction
- Slip-resistant neoprene covered rails
- Place heads quickly into any position and rotate them easily through 360°
- Requires no bolts, clamps or adaptors
- 2 piece set • Order No. **HH-200** Jobber \$144.99



American Made

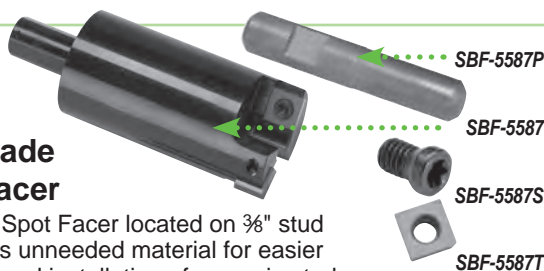
Professional Measuring & Inspection Stand

- Length adjusts up to 23"
- Rotate work to view or measure
- Solid aluminum frame with self lubricating, corrosion and chemical-resistant wear surfaces
- Order No. **PMIS-30** Jobber \$124.99



Two Blade Spot Facer

- 1¼" OD Spot Facer located on ¾" stud
- Removes unneeded material for easier removal and installation of screw-in studs
- Replaceable carbide blades

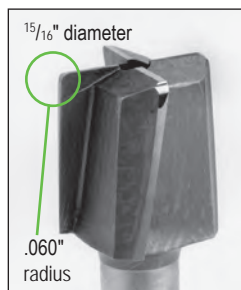


Description	Jobber	Order No.	Incl.
Stud Boss Facer	\$134.99	SBF-5587	▼
Stud Boss Facer Tip (each) for SBF-5587 only	19.99	SBF-5587T	x
Stud Boss Facer Screw (each)	6.99	SBF-5587S	x
Replacement Stud Boss Facer ¾" Pilot (optional)	27.99	SBF-5587P	



Head Bolt Spot Facer

- Spot face head bolt seat parallel to new deck surface after angle milling
- Allows proper head bolt torquing
- Cutting tip radius matches OE design to avoid stress points and cracks • .468" shank with flat
- Use with 7/16" Pilot below
- High Speed Steel construction



Description	Jobber	Order No.
Spot Facer	\$144.99	HBF-15
7/16" Pilot	15.99	GFP-437



Chevy Conversion Plate Set

- Convert early model, 6-bolt heads for late model, 7-bolt applications
- Works with stock exhaust systems
- Use the standard exhaust manifold gasket or seal with High-Temp Silicone
- Order No. **CHC-10** Jobber \$27.99

Cut through even the hardest metals with Cutting & Tapping Fluid

- Spray clings to the surface of the tool to prolong tool life • Ideal for stainless steel, high nickel alloys, titanium and more
- Use for reaming, seat cutting and CBN cutting, spot facing, etc.
- Aerosol*
- Order No. **CTF-14**
- Jobber 1+ \$12.99 ea., Jobber 6+ \$11.69 ea.
- *Hazardous Goods Fees Apply When Shipped by Air

Order 6 or more,
SAVE 10% off Jobber

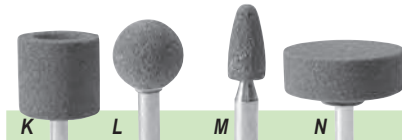
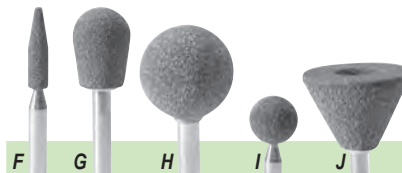
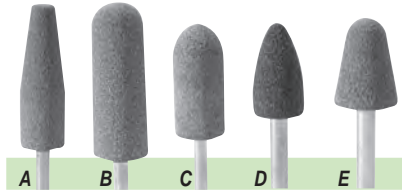


FR-34-C

FR-45-C

1/4" Shank Carbide Rotary Double Cut Files

Dia.	Length	Shank	Jobber	Order No.
1/2"	1 1/8"	1.1"	\$41.99	FR-34-C
1/4"	1"	1.0"	34.99	FR-45-C



1/4" Shank Mounted Points

- Aluminum-Oxide abrasive is ideal for roughing cast iron • 1 1/2" shank length

Dia.	Length	Grit	Jobber	Order No.
A 3/4"	2 1/2"	60	\$8.99	GM-1
B 7/8"	2 3/4"	60	8.99	GM-3
C 7/8"	1"	60	8.99	GM-11
D 1 1/16"	1 1/4"	60	8.99	GM-12
E 3/4"	1 1/8"	60	8.99	GM-5
F 1/4"	1 1/16"	60	8.99	GM-15
G 3/4"	1"	60	8.99	GM-23
H 1"	1"	60	8.99	GM-25
I 5/8"	5/8"	60	8.99	GM-26
J 1 3/8"	1"	60	8.99	GM-31
K 1"	1"	60	8.99	GM-38
L 3/4"	3/4"	40	8.99	GM-40
M 3/8"	3/4"	60	8.99	GM-B52
N 1 1/2"	1 1/16"	60	8.99	GM-236

tech tips
from the techxperts™

Stay Safe:

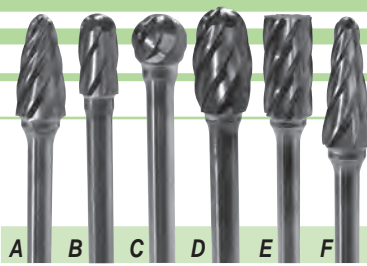
Always ensure your burr shank is well inserted into your collet and clamped down tightly.

Keep pressure light and keep the burr moving focusing on the highest material first.

Ensure your work is secured tightly to your work bench.

Don't snag or jam your burr into your work.

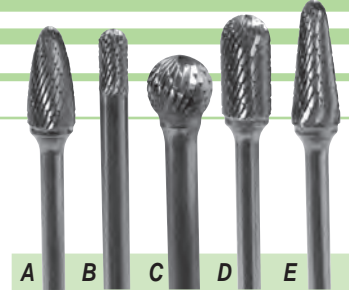
Wear eye protection as a minimum, but better still, use a full shield for your face.



6" Long 1/4" Dia. Shank Open Fluted Rotary Files for Aluminum

- Carbide burrs
- Open flute design gives better chip discharge

Dia.	Length	Jobber	Order No.
A 1/2"	1"	\$79.99	LAFR-34
B 3/8"	3/4"	44.99	LAFR-45
C 1/2"	7/16"	61.99	LAFR-55
D 1/2"	7/8"	77.99	LAFR-70
E 1/2"	1"	59.99	LAFR-93
F 3/8"	1 1/16"	89.99	LAFR-121



6" Long Shank Double Cut Carbide Rotary Files

- 1/4" diameter shank

Dia.	Length	Jobber	Order No.	Incl.
Complete 5 Pc. Kit \$249.99 LFR-KIT ▼				
A 1/2"	1"	59.99	LFR-34C	x
B 3/4"	1/2"	55.99	LFR-45C	x
C 1/2"	7/8"	55.99	LFR-55C	x
D 1/2"	1 1/8"	72.99	LFR-46C	x
E 1/2"	1 1/16"	61.99	LFR-141C	x

Order 5 or more Rotary Files, Burrs or Mounted Points (mix & match) and save 10% off jobber



1/4" Carbide Rotary Files

- Nose design reduces back-gouging
- 1/4" shank • Shanks 4" long except MRT-56C at 6" long

Dia.	Lgth.	Jobber	Order No.
A .375"	1.000"	\$46.99	MSH-34C
B .437"	.875"	49.99	MSE-44C
C .500"	.975"	59.99	MRT-54C
D .500"	1.000"	59.99	MRT-56C

Dia.	Lgth.	Jobber	Order No.
E .500"	.880"	\$49.99	MSE-54C
F .500"	1.000"	46.99	MSF-54C
G .500"	1.245"	49.99	MSH-54C

Joe Mandella
The Grinding Specialist



Bifocal Magnifying Safety Glasses

- Safety glasses and cheaters all in one • Anti-fog lenses
- Do not use as welders helpers

Diopter	Jobber	Order No.
1.00	\$11.99	BSG-100
1.25	11.99	BSG-125
1.50	11.99	BSG-150



Mirrored Safety Glasses

- Wrap-around design
- Tinted lenses provide sun glare protection
- Universal bridge
- Polycarbonate lenses
- Do not use as welders helpers
- Order No. PGL-21 Jobber \$5.99

CYLINDER HEAD
REBUILDINGCLEANING,
ASSEMBLY & SAFETYSHORT BLOCK
REBUILDINGCRANKSHAFT/
FLYWHEEL GRINDINGMISCELLANEOUS
TOOLS & SUPPLIESBRAKE SERVICE
TOOLINGMEASURING
TOOLSV-TWIN & METRIC
HARD PARTS

... another
satisfied
customer

"I always enjoy placing my order. Your reps are kind, friendly and most helpful. We've been a customer since 1981! Keep up the good work."

- Tim, O'Donnell Truck & Engine, Sacramento, CA

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

Aluminum Oxide Cloth Utility Shop Rolls

- 1" x 50 yards
- Easy to use ... just unroll and tear to length
- Use with butterfly mandrels at right

Grit	Jobber	Order No.
60	\$19.99	UR-1-60
80	19.99	UR-1-80
100	19.99	UR-1-100
120	19.99	UR-1-120
180	19.99	UR-1-180
320	26.99	UR-1-320

Crocus Cloth

- Must be used with Lapping Oil
- Great for final touch-ups on cranks, rod pins, valve stems, cams, etc.
- Use with slotted mandrels at right

Description	Jobber	Order No.
1" x 50 yd. Roll	\$39.99	UR-1-CROCUS
4 oz. Lapping Oil	10.49	LP-LO-4
8 oz. Lapping Oil	17.99	LP-LO-8

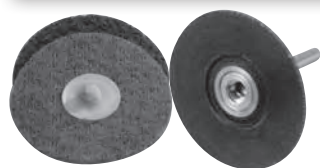


Slotted Butterfly Mandrels

- Use with roll abrasives such as those at left • Several lengths available

Length	Jobber	Order No.
3"	\$ 5.99	BM-3
6"	10.99	BM-6
8"	11.99	BM-8

Replacement Abrasive Packs and Mandrels



Replaceable Roll Lock Discs

Dia.	Jobber	Order No.
2" Medium	\$10.49	RSCD-2M
Coarse	12.99	RSCD-2C
3" Medium	16.79	RSCD-3M
Coarse	20.99	RSCD-3C
Disc Holder	Jobber	Order No.
2" Dia.	\$14.99	RLH-2
3" Dia.	16.99	RLH-3



Aluminum Machining Aid

- Designed for aluminum
- For porting & polishing with cartridge rolls, rotary files, emery cloth or Cross Buffs® • Safe for cast iron
- 32 oz./946.4mL
- Order No. **PF-32**

Jobber \$43.99
HazMat shipping charges apply when shipped by air

Straight Cartridge Rolls

- 1½" long, ½" hole
- Fully glued • Box of 50

Dia.	Grit	Jobber	Order No.
¼"	40	\$24.29	SCR-250-40
	80	24.29	SCR-250-80
	120	24.29	SCR-250-120
¾"	40	24.29	SCR-375-40
	80	24.29	SCR-375-80
	120	24.29	SCR-375-120
	320	28.99	SCR-375-320
1½"	40	29.49	SCR-500-40
	60	29.49	SCR-500-60
	80	29.49	SCR-500-80
	100	29.49	SCR-500-100
	120	29.49	SCR-500-120
¾"	40	57.79	SCR-750-40
	80	57.79	SCR-750-80
	120	57.79	SCR-750-120

Roll Mandrels

Use with straight and tapered cartridge rolls • ½" pilot x ¼" dia.

OAL	Jobber	Order No.
2½"	\$ 9.99	CR-275
4"	10.99	CR-40
6"	11.99	CR-60
8"	13.99	CRM-8H
10"	13.99	CRM-10H
12"	13.99	CRM-12H

Mirrored Safety Glasses

- Wrap-around design
- Tinted lenses provide sun glare protection • Universal bridge • Polycarbonate lenses • **Do not** use as welders helpers • Order No. **PGL-21** Jobber \$5.99



Half-Tapered Cartridge Rolls

- 1½" long, ½" hole
- Fully glued • Box of 50

Dia.	Grit	Jobber	Order No.
¾"	40	\$36.79	HTR-375-40
	80	37.79	HTR-375-80
1½"	40	39.99	HTR-500-40
	80	39.99	HTR-500-80

Full-Tapered Cartridge Rolls

- 1½" long, ½" hole
- Fully glued • Box of 50

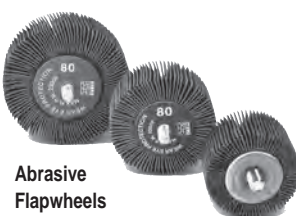
Dia.	Grit	Jobber	Order No.
¾"	40	\$31.99	FTR-375-40
	80	29.99	FTR-375-80
	120	29.99	FTR-375-120
	320	29.99	FTR-375-320
1½"	40	31.99	FTR-500-40
	60	31.99	FTR-500-60
	80	31.99	FTR-500-80
	120	44.49	FTR-500-120
5/8"	40	47.99	FTR-625-40
	80	44.99	FTR-625-80



Cross Buffs®

- Aluminum-Oxide
- Box of 10

Dia.	Grit	Jobber	Order No.
2-Ply			
¾"	V. Fine	\$19.99	CB-75VF
	Med.	19.99	CB-75M
1"	V. Fine	19.99	CB-1VF
	Med.	19.99	CB-1M
1½"	V. Fine	23.99	CB-15VF
	Med.	23.99	CB-15M
3-Ply			
1¼"	Med.	31.99	CB-125M-HD
1½"	V. Fine	31.99	CB-15VF-HD
	Med.	31.99	CB-15M-HD



Abrasive Flapwheels

- 1" wide, ¼" x 20 threaded
- Aluminum-Oxide • 1 each

Dia.	Grit	Jobber	Order No.
1½"	80	\$11.99	APK-7
1"	120	7.99	AFW-1-120
2"	120	8.99	AFW-2-120
3"	120	10.99	AFW-3-120



Cross Buff® / Flap Wheel Mandrel

- Use with Cross Buffs & Flap Wheels above

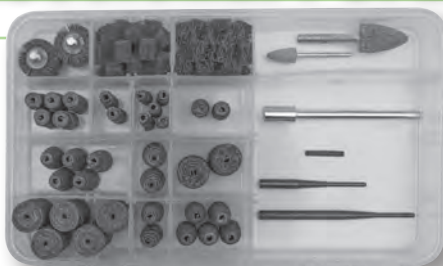
Description	Jobber	Order No.
4" Mandrel	\$12.99	CB-MANDREL
Set Screw (3)	5.99	CB-SCREW

NOTE: Extreme caution must be used when porting & polishing. Be sure to wear safety glasses.

Professional Porting & Polishing Tools

48 Piece Deluxe Porting Kit

- Professional grade porting supplies
- Packed in a clear plastic storage case



Description	Jobber	Order No.	Incl.
48 Pc. Kit	\$94.49	DPK-100	▼
Replacement Abrasives	Grit	Kit Qty.	
Flap Wheels - 1"x1"x1/4"	120	2	\$ 7.99 AFW-1-120 x
Cross Buffs 2 Ply, 1 1/2"	Med.	2	23.99 CB-15M x
	Very Fine	2	23.99 CB-15VF x
Cross Buff/Flapwheel Mandrel		1	12.99 CB-MANDREL x
1/4" Dia. Straight	40	2	24.29 SCR-250-40 x
Cartridge Rolls	80	5	24.29 SCR-250-80 x
3/8" Dia. Straight	40	2	24.29 SCR-375-40 x
Cartridge Rolls	80	5	24.29 SCR-375-80 x
3/4" Dia. Straight	40	2	57.79 SCR-750-40 x
Cartridge Rolls	80	2	57.79 SCR-750-80 x
1/2" Dia. Half Tapered	40	2	39.99 HTR-500-40 x
Cartridge Rolls	80	5	39.99 HTR-500-80 x
3/8" Dia. Full Tapered	40	2	47.99 FTR-625-40 x
Cartridge Rolls	80	5	44.99 FTR-625-80 x
Cartridge Roll Mandrel 2 3/4" Long		1	9.99 CR-275 x
4" Long		1	10.99 CR-40 x
Mounted Points - 3/8" x 3/4"	60	1	8.99 GM-B52 x
1 1/16" x 1 1/4"	60	1	8.99 GM-12 x

See previous page for replacement abrasive quantities

Intake Port Reshaping Kit

- Superior formula uses 2-part epoxy
- Won't shrink when dry
- Mix ratio is 1:1 by weight
- Mix and knead the parts together by hand until the yellow and black colors have combined to make a uniform olive green color
- Working time at 70°F: Golfball size mix: 40 minutes max.; Baseball size mix: 30 minutes max.
- Cure time at 70°F: full hardness in 6 to 8 hours
- Once cured, forms a hard coating resistant to abrasion, impact, water, chemicals and solvents
- **NOT** for use in contact with potable water or exhaust ports
- Can be milled or machined
- Withstands temperatures up to 500°F/ 260°C
- Kit includes epoxy, gloves and mixing sticks
- Yields 16 oz./453.6g of material
- 24 month shelf-life
- Order No. **PRK-99** Jobber \$36.99



tech tips

Adhesion of PRK-99 will be only as good as the cleanliness and soundness of the substrate. Remove all dirt, oil and grease. Soda blasting is acceptable. Scraping, wire brushing and other manual cleaning methods may also work. Do NOT use a petroleum-based cleaner before using PRK-99, it will prohibit adhesion.

small engine powersports

40 Piece Small Engine Porting Kit

- Professional grade porting supplies
- Packed in a clear plastic storage case



Description	Jobber	Order No.	Incl.
40 Pc. Kit	\$67.99	SEPK-5	▼
Replacement Abrasives	Grit	Kit Qty.	
Flap Wheels - 1"x1"x1/4"	120	2	\$ 7.99 AFW-1-120 x
Cross Buffs 2 Ply 3/4"	Very Fine	2	19.99 CB-75VF x
1"	Medium	2	19.99 CB-1M x
	Very Fine	2	19.99 CB-1VF x
1 1/2"	Very Fine	2	23.99 CB-15VF x
Cross Buff/Flapwheel Mandrel		1	12.99 CB-MANDREL x
3/8" Dia. Straight	80	4	24.29 SCR-375-80 x
Cartridge Rolls	120	4	24.29 SCR-375-120 x
	320	4	28.99 SCR-375-320 x
3/8" Half Tapered Cartridge Rolls	80	4	37.79 HTR-375-80 x
3/8" Full Tapered	80	4	29.99 FTR-375-80 x
Cartridge Rolls	120	4	29.99 FTR-375-120 x
1" x 2 Yds. Abrasive Roll	120	1	19.99 UR-1-120 x
	320	1	26.99 UR-1-320 x
Cartridge Roll Mandrel 2 3/4" Long		1	9.99 CR-275 x
4" Long		1	10.99 CR-40 x

See previous page for replacement abrasive quantities

Quick Change Mandrels & Abrasive Sleeves

- 5 sleeves per pack • 1" x 1"
- Mandrel has 1/4" shaft



Description	Grit	Jobber	Order No.
Mandrel		\$8.99	GMS-101
Sleeves	40	8.99	GMS-140
	60	8.99	GMS-160



110V Electric Die Grinder

- 3/4" collet • 8' cord • 110V • 2.5 amp • 25,000 RPM
- Includes 2 collet wrenches
- Optional Speed Control lets you vary from 200 to 25,000 RPM • 6' cord • 110V • 15 amp

Description	Jobber	Order No.
25,000 RPM Die Grinder	\$234.99	GEO-600
Variable Speed Control	46.99	GEO-SC
1/4" Grinder Replacement Collet	38.99	GEO-600-5
Grinder Replacement Collet Nut	7.99	GEO-600-4



NOTE: Extreme caution must be used when porting & polishing. Be sure to wear safety glasses.

CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
FLYWHEEL, GRINDING
CRANKSHAFT/
TOOLING
MISCELLANEOUS
TOOLS & SUPPLIES
BRAKE SERVICE
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS



"When you call Goodson, you speak to a person, not a machine. We work hard to make sure you spend as little time waiting on hold as possible."
— Kathy, Goodson Customer Service, 2 years of service

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

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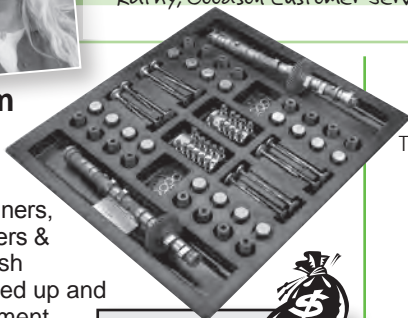
BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

Dual Overhead Cam Cylinder Head Organizer Tray

- Store valves, springs, retainers, keepers, valve lash adjusters & camshafts • Keep valve lash adjusters from getting mixed up and changing the valve adjustment
- Heavy duty construction
- Oil and solvent resistant
- 23 $\frac{1}{4}$ " x 26 $\frac{1}{2}$ " x 2"
- Order No. **DOHC-1**
Jobber 1+ \$48.99 each,
Jobber 6+ \$44.09 each



Parts Trays

Order 6 or more and SAVE
10% off jobber,
Mix or match trays to make
quantities



Stackable Cylinder Head Organizer Trays

- Store valves, springs, retainers and keepers in order of assembly • Impervious to oil and most solvents
- Measures 28" x 12 $\frac{1}{2}$ " x 3"H
- Order No. **SHO-8**
Jobber 1+ \$56.99 each, Jobber 6+ \$51.29 each



Valve Train Tray For 4, 6 or 8-Cylinder OHV Engines

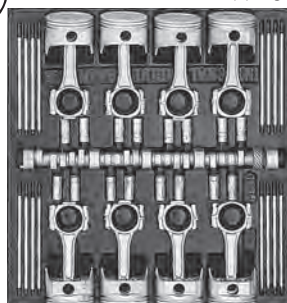
- Heavy duty construction
- Keeps push rods, rockers, lifters, etc. in order
- 64 compartments
- Measures 11 $\frac{1}{8}$ "W x 13 $\frac{1}{2}$ "D x 1 $\frac{1}{2}$ " H
- Order No. **VTO-80**
Jobber 1+ \$48.99 each
Jobber 6+ 44.09 each

dimensional
shipping



Ford/Chevy Small Block Organizer Tray

- Store pistons, rods, lifters, push rods & camshafts
- Formed compartments keep engine components securely in place
- Measures: 24 $\frac{1}{4}$ " x 25 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "D
- Order No. **iEO-80**
Jobber 1+ \$39.99 each
Jobber 6+ \$35.99 each



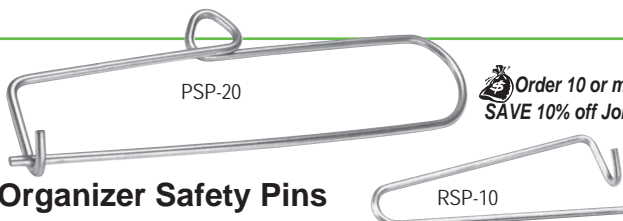
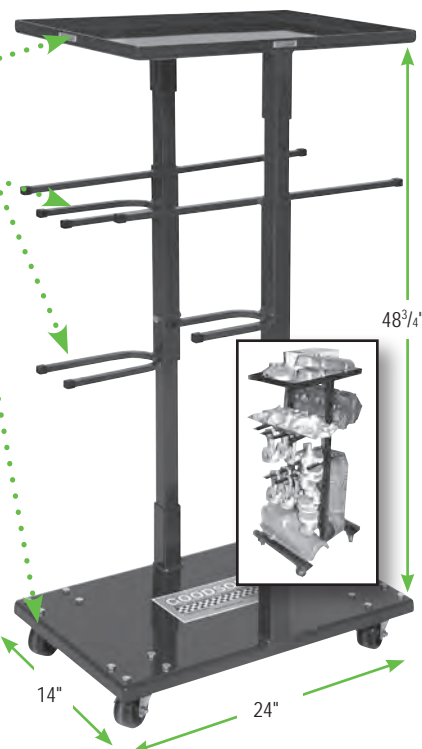
dimensional
shipping

Top tray features 1" deep
lip to keep parts from
rolling off

Solid steel hangers
hold piston rods and
crankshafts
Heavy duty casters make
moving the engine
and cart easy

Engine Storage Cart

- An efficient space-saver
- Heavy-duty casters
- Holds all engine parts off the floor from tear-down to reassembly in less than 4 square feet
- Move the whole engine easily
- Some assembly required
- Order No. **EC-200**
Jobber \$399.99



Order 10 or more,
SAVE 10% off Jobber

Organizer Safety Pins Keep Part Sets Together

Parts Safety Pin • Organize valve springs, rods, etc., from disassembly to cleaning to reassembly
Rod & Cap Mini Pin • Keep connecting rods & rod caps together to prevent mix-ups

Description	Jobber 1+	Jobber 10+	Order No.
Parts Safety Pin (3/4" x 12")	\$5.99 ea.	\$5.39 ea.	PSP-20
Rod & Cap Mini Pin (3/4" x 4")	2.99 ea.	2.69 ea.	RSP-10

Mix or match to make quantity break

Parts Tags & Marker

- Won't tear or wash off
- Heavy wire ties
- Tough enough to go through a jet wash or hot tank
- Includes 2 Super-Permanent markers with specially formulated ink to withstand most chemicals and extreme heat and steam up to 500°F
- Tag dimensions: 3 $\frac{1}{2}$ "L x $\frac{5}{8}$ "W with $\frac{5}{32}$ " hole for wire tie

Description	Jobber	Order No.
1000 Parts tags, with 2 markers	\$74.99	IDT-1000
Super-Permanent Marker only	2.99	IDT-MARKER



Rust Proofing Oil

- 1 Gallon / 3.78 L
- Apply full strength
- Creates a protective film
- Washes off with standard solvents
- Brush or spray on
- Order No. **RPO-10** Jobber \$91.99



Order 6 or more cans
(any combo),
save 10% off jobber



Rust Shield

Short-term

- Non-sticky
- Lasts several weeks
- Wipes off with just a towel

Long-term

- Formula is thicker and protects much longer but requires a solvent to remove

Formula	Jobber 1+	Jobber 6+	Order No.
Short Term	\$13.99 ea.	\$12.59 ea.	RS-16*
Long Term	16.99 ea.	15.29 ea.	RS-16-OD*

*Hazardous Fees Apply If Shipped By Air



Rust Shield for Shop Equipment

- Stops rust without causing rancidity
- Apply to machine parts such as ways
- Mixes with coolant – no need to remove before machining
- 1 Gallon / 3.78 L
- Order No. **RS-128** Jobber \$27.99



Petroleum Based Rust Inhibitor

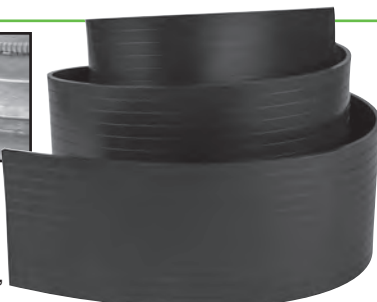
- Brush directly from can onto freshly-machined engine components
- Protects iron, steel and aluminum
- Soften with mineral oil to dip small parts

Quantity	Jobber	Order No.
2 lbs.	\$ 32.99	RPC-2A
35 lbs.	389.99	RPC-35A



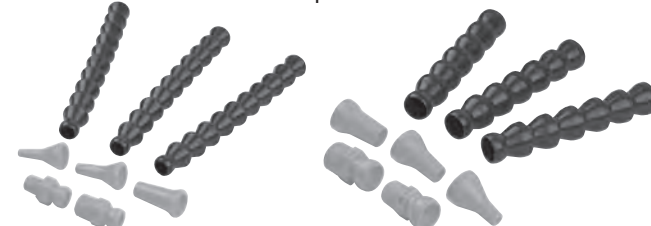
Universal Coolant Magnet

- Ideal for Honing Tanks, Flywheel Grinders, Crankshaft Grinders, Head Surfacers and more
- Prevents metal swarf from passing into the coolant tank
- Cut or shape to fit machine bases and return ways
- Measures 3"x48" • Can be trimmed to any size needed
- Order No. **UCM-348** Jobber \$24.99



Snap Together Adjustable Coolant Hoses

- Hoses hold any shape • Chemical Resistant
- Ideal for most common shop machines



Size: 1/4" Hose Kit
Includes: 18" hose, 1/4" & 1/8" NPT fittings, 1/16", 1/8" & 1/4" round nozzles

Application: Most parts washers, wet-type seat grinders, valve refacers

Order No.: **ACH-400** Jobber \$18.99

Size: 1/2" Hose Kit
Includes: 16 1/2" hose, 3/8" & 1/2" NPT fittings, 1/4", 3/8" & 1/2" round nozzles

Application: Most cylinder hones and flywheel grinders

Order No.: **ACH-600** Jobber \$21.99



Size: 1" Flare Nozzle for 1/4" Hose

Order No.: **ACH-407**

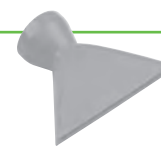
Jobber \$8.99



Size: 1 1/4" Flare Nozzle for 1/2" Hose

Order No.: **ACH-807**

Jobber \$10.99



Size: 2 1/2" Flare Nozzle for 1/2" Hose

Order No.: **ACH-809**

Jobber \$12.99



NPT	Hose ID	Order No.
1/4"	1/4"	ACH-406
3/8"	1/2"	ACH-804
1/2"	1/2"	ACH-805
Jobber ea.		\$7.99

Hose ID	Length	Order No.
1/4"	11"	ACH-401
1/2"	11"	ACH-801
Jobber ea.		\$12.99

Coolant & Solvent Pumps

Ideal for Parts Washers

170 Gal. Per Hour Pump

- HP: 1/125
- Capacity: 170 gal/hr. at 1" depth • Hi-temp Seals
- Voltage: 115
- Size: 4" x 3 1/4" x 2 3/4"
- Order No. **COP-166** Jobber \$139.99



Ideal for Flywheel Grinders

1200 Gal. Per Hour Pump

- HP: 1/6
- Capacity: 1200 gal/hr. at 1" depth
- Voltage: 115
- Size: 7 3/4" x 6 1/8" x 4 5/16"
- Order No. **COP-1833** Jobber \$189.99



Sludge Filter Bag

- Fits any machine with a coolant sump
- Replace costly OE filters with this economical, universal sock
- Adds filtration to machines that don't have enough • 8" x 24" polyester knit sock
- Order No. **SB-1** Jobber \$9.99



CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



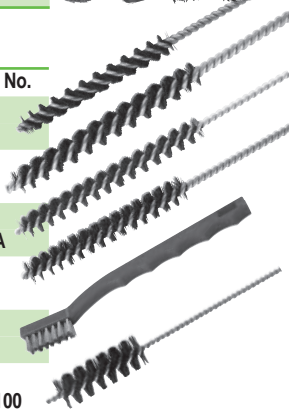
End Brushes

Dia. / Wire gauge / Type	Jobber	Order No.
Standard Duty		
1/2" .020" crimped	\$ 8.99	GBC-4
3/4" .020" crimped	10.99	GBC-6
1" .020" crimped	12.99	GBC-10
1 1/2" .020" crimped	9.99	GBC-14
1 3/4" .012" crimped	13.49	NH-16
2 3/4" .012" crimped	15.99	NH-26
1 3/4" .014" galv. for alum.	9.99	ANH-16
2 3/4" .014" galv. for alum.	9.99	ANH-26
Ultra Duty (listed left to right)		
1/2" .014" crimped	\$ 8.99	GBC-4A
1 1/8" .020" knotted, 1 1/4"L	13.99	GBC-12
1 1/8" .020" knotted, 7/8"L	15.99	GBC-12HD
3/4" .020" knotted	11.99	NH-6



Engine Prep Brushes

Application	Jobber	Order No.
For small feed hole in block 1/4" x 2" x 10", nylon	\$5.99	OB-1
For Block Oil Return Line 5/16" x 2 1/2" x 12", nylon	5.99	OB-2
Like OB-2 but more flexible 5/16" x 2 1/2" x 12", nylon	5.99	OB-2A
For Block Oil Return Lines 3/8" x 2 1/2" x 12", nylon	5.99	OB-3
For diesel injector 1 3/4" brush, stainless	7.99	DIB-1
For lifter bores 1" x 3" x 14", nylon	8.99	LBB-100



Nylon Bristle Oil Gallery Brushes

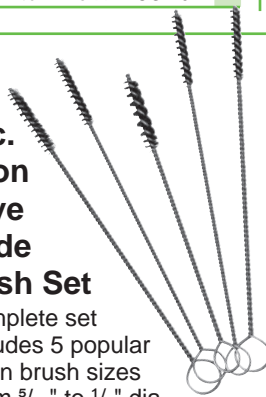
Steel Wire Oil Gallery Brushes

Desc.	Jobber	Order No.
3-pc. Kit	\$16.99	OGB-SK ▼
1/4" x 3" x 24"	7.99	OGB-1 x
3/8" x 3" x 24"	8.99	OGB-2 x
5/8" x 3" x 24"	9.99	OGB-3 x

Desc.	Jobber	Order No.
5-pc. Kit	\$31.99	OGB-KIT ▼
3/8" x 3" x 34"	6.99	OGB-38 x
1/2" x 2 1/2" x 34"	6.99	OGB-42 x
5/8" x 3" x 34"	6.99	OGB-5 x
3/4" x 3" x 34"	7.99	OGB-7 x
3/4" x 3" x 40"	8.99	OGB-8 x

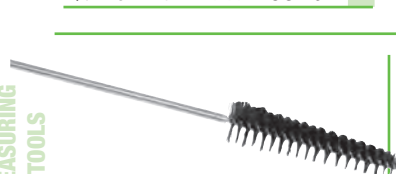
5 Pc. Nylon Valve Guide Brush Set

- Complete set includes 5 popular nylon brush sizes
- From 5/16" to 1/2" dia.
- Order No. **GVP-SET**
Jobber \$33.99



Pushrod Brush

- Clean the inside diameter of your pushrods with this brush
- Fits pushrods as small as .080" ID
- 12" overall length
- Order No. **PRB-80**
Jobber \$13.99



DEB-1 DEB-2 DEB-3 DEB-4 DEB-5 WCB-30 WCB-40

1/4" Shank Brushes

Deep Well End Brush as brush wears cut back to expose new wire

Dia.	Wire Gauge	Grade	Jobber	Order No.
1/4"	.012", 6" long	Economy	\$12.99	DEB-1
3/8"	.017", 6" long	Economy	16.99	DEB-2

Flare Brush use to remove carbon from engine ports

1/2" ball, 5/16" cable	Ultra-duty	\$49.99	DEB-3
------------------------	------------	---------	--------------

Port Brush as brush wears cut back spring for new wire

3/8"	.014", 4" long	Standard	\$22.99	DEB-4
1/2"	.020", 2 1/2" long	Ultra-duty	21.99	DEB-5

Cup Brush 5/8"-11 NC - fits standard 4 1/2" angle grinder

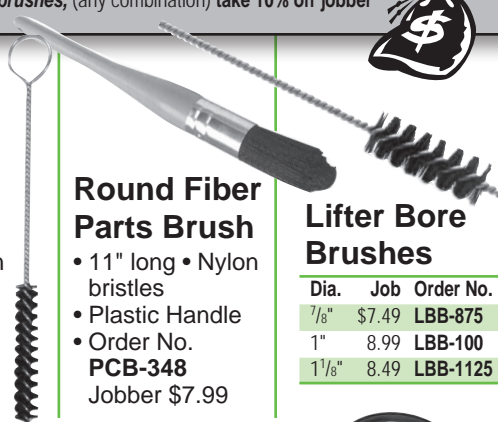
3"	.014" twisted	Ultra-duty	\$24.99	WCB-30
4"	.014" twisted	Ultra-duty	34.99	WCB-40

Order 10 or more brushes, (any combination) take 10% off jobber



Manual Guide Cleaning Brush

- 1/2" Dia. Nylon bristles
- OAL: 8 3/4"
- Order No. **WCB-44**
Jobber \$3.99



Round Fiber Parts Brush

- 11" long • Nylon bristles
- Plastic Handle
- Order No. **PCB-348**
Jobber \$7.99

Lifter Bore Brushes

Dia.	Job	Order No.
7/8"	\$7.49	LBB-875
1"	8.99	LBB-100
1 1/8"	8.49	LBB-1125



Bore Washing Brushes

Dia.	Length	Jobber	Order No.
2"	36"	\$19.99	CBB-200
2 1/4"	36"	20.99	CBB-225
2 1/2"	36"	21.99	CBB-250
2 3/4"	18 1/2"	19.99	CWB-27W
3 1/2"	18 1/2"	19.99	CWB-35
4"	18 1/2"	21.99	CWB-40
4 1/2"	18 1/2"	22.99	CWB-45
5"	18 1/2"	24.99	CWB-50

Flow Through Parts Washing Brush

- 24" long hose slides over discharge nozzle on parts washer
- Order No. **PWB-FLO-1**
Jobber \$27.99



Valve Guide Brushes

Size	Steel Brushes		Nylon Brushes	
	OAL	Order No.	OAL	Order No.
5/16" x 2 1/2"	9 1/2"	GVP-1	12"	GVP-1N
1 1/2" x 2 1/2"	9 1/2"	GVP-2	12"	GVP-2N
3/8" x 2 1/2"	9 1/2"	GVP-3	12"	GVP-3N
7/16" x 2 1/2"	9 1/2"	GVP-4	12"	GVP-4N
1/2" x 2 1/2"	-----	-----	10 1/2"	GVP-5N
9/16" x 2 1/2"	-----	-----	10 1/2"	GVP-6N
3mm x 1 1/4"	-----	-----	8"	GVP-7N
4mm x 1 1/4"	-----	-----	8"	GVP-8N
5mm x 1 1/4"	-----	-----	8"	GVP-9N
6mm x 1 1/4"	8"	GVP-10S	8"	GVP-10N
7mm x 1 1/4"	8"	GVP-11S	8"	GVP-11N
Jobber ea.		\$8.99		\$6.99



Parts Cleaning



Order 10 or more brushes,
(any combination) take 10% off jobber,



Radial Wire Brushes

Radial Wire Brushes

- American made oil tempered high carbon steel wire
- High density for faster cleaning and longer life
- Excellent balance • 1/2" - 5/8" arbor

Size	Wire	Duty	Jobber	Order No.
6" x 1 1/16"	.014" Crimped	Std.	\$21.99	ADA-6
7" x 1/8"	.014" Crimped	Heavy	47.99	DA-7
6" x 3/16"	.016" Twisted	Super	24.99	TS-6
8" x 3/4"	.016" Twisted	Super	56.99	TS-8
6" x 7/16"	.023" Knotted	Ultra	25.99	QTC-6

Buy the Kit,
SAVE!



BG-KIT

dimensional
shipping

Engine Rebuild Brush Kit

- Includes the brushes you'll need for an average engine job
- A great starting place, then add more brushes as you need them • Replacement brushes available

Description	Jobber	Order No.
Standard Brush Kit - 10 Pc. Kit	\$59.99	BG-KIT ▼
4" Nylon Cylinder Washing Brush	21.99	CWB-40 x
1 1/2" Nylon Valve Guide Brush	6.99	GVP-2N x
3/8" Nylon Valve Guide Brush	6.99	GVP-3N x
Lifter Bore Brush	8.99	LBB-100 x
Small Nylon Feed Hole Brush	5.99	OB-1 x
Block Oil Return Line Brush	5.99	OB-2 x
3/8" Oil Gallery Brush	6.99	OGB-38 x
1/2" Oil Gallery Brush	6.99	OGB-42 x
5/8" Oil Gallery Brush	6.99	OGB-5 x
Round Fiber Parts Brush	7.99	PCB-348 x

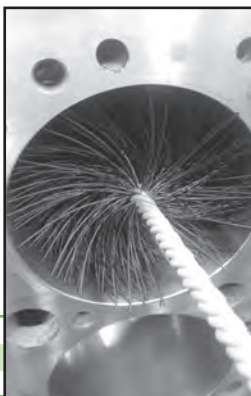
new



Super Heavy Duty Double-Fill Cylinder Head Washing Brushes

- Highly aggressive
- Long lasting
- .050" Nylon bristles

Diameter	Jobber	Order No.
4" (101.6mm)	\$29.99	CWB-40DF
4 1/2" (114.3mm)	32.99	CWB-45DF



Introduced to the
Industry in 1999



Super Scraper™

- Remove gaskets, carbon, rust, paint, etc.
- Precision-ground solid carbide-tipped, double-edged blade lasts longer than plain steel
- Nickel-chrome 1/8" thick steel shank • For all metals including aluminum

Width	Jobber	Order No.	Incl.
3 Pc. Set	\$99.99	SS-SET	▼
5/8"	25.99	SS-4U625	x
1 1/4"	32.99	SS-4U	x
2"	44.99	SS-4U2	x



Pneumatic Scraper

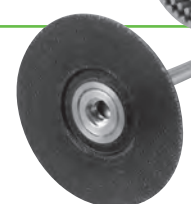
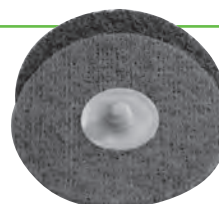
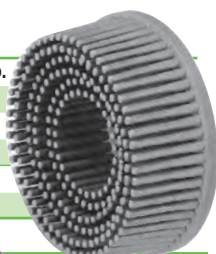
- Faster and easier than scraping by hand
- Beveled, 1" steel blade • Removes gaskets with 2500, 3/64" strokes per minute • Blade can be resharpened

Description	Jobber	Order No.
Complete Tool	\$99.99	AGS-310
Replacement Blade	16.99	AGS-310B
Premium Replacement Blade	18.99	AGS-310BP

3M™ Roloc™ Bristle Discs

- Effective on cast iron, yet safe for aluminum
- Less aggressive than wire wheels
- Abrasive grains embedded in flexible plastic bristles that break down exposing new grain
- Bristles flex to maintain contact with contoured surfaces for faster, more thorough cleaning
- Use with holders below

Size	Color	Grit	Max. RPM	Jobber	Order No.
2"	Green	50	25,000	\$13.49	RBD-2G
	Yellow	80	25,000	13.49	RBD-2Y
	White	120	25,000	13.49	RBD-2W
3"	Green	50	18,000	19.99	RBD-3G
	Yellow	80	18,000	19.99	RBD-3Y



Surface Conditioning Discs

- Use with holders at right

Dia.	Jobber	Order No.
2" Medium	\$10.49	RSCD-2M
Coarse	12.99	RSCD-2C
3" Medium	16.79	RSCD-3M
Coarse	20.99	RSCD-3C

Roloc-Type Holders

- Use with Surface Conditioning Discs (left) and Bristle Discs (above)
- Threaded

Size	Jobber	Order No.
2"	\$14.99	RLH-2
3"	16.99	RLH-3

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

full service
...fast



"Did you know that Goodson still ships orders COD? If you prefer not to use a credit card or set up an open account, you can still order from Goodson. Ask us about COD."

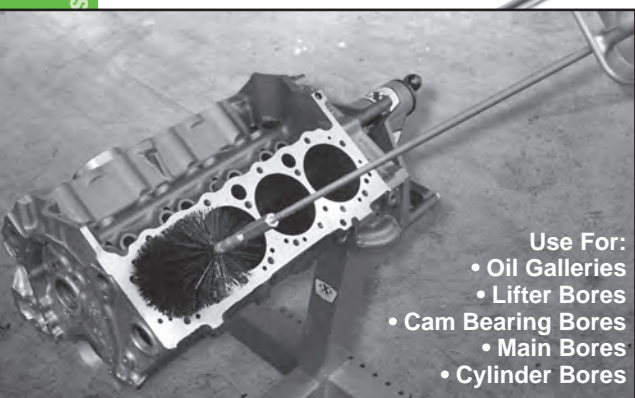
- Pam, Goodson Accounting, 19 years of service

Goodson
exclusive

Connect the Water
Connect the Air
Select a Brush
You're Set to Clean

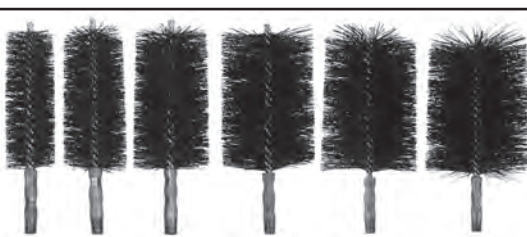
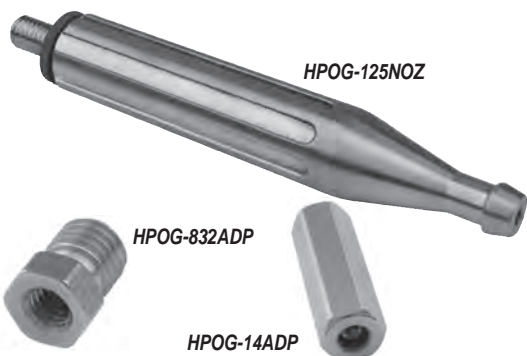
CYLINDER HEAD
REBUILDING

CLEANING,
SEMBLY & SAFETY

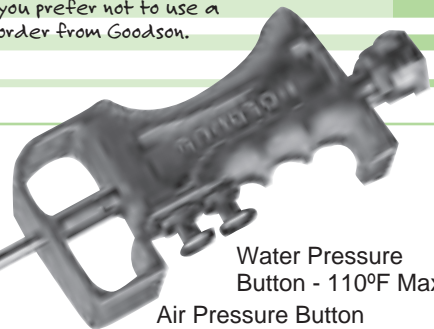


- Use For:
- Oil Galleries
 - Lifter Bores
 - Cam Bearing Bores
 - Main Bores
 - Cylinder Bores

**Buy A Kit Or
Create Your Own!**



Ergonomically designed
grip made
of billet aluminum



Water Pressure
Button - 110°F Max

Air Pressure Button
125PSI Max

dimensional
shipping

Stainless Steel wand will not corrode

Threaded to make
brush changes quick and easy

Air/Water outlet
holes are drilled in a
spiral pattern to create a
swirling motion to enhance
the wand's cleaning power.

High Pressure Cleaning System

Aggressively clean oil galleries, lifter bores, cam bearing bores, main bores and cylinder bores — Gas to Diesel, Stock to High-Performance

- Ergonomically designed pistol grip with easy to reach controls • Incorporates the aggressive cleaning action of a stainless steel or nylon brush with the hydro action of a specially designed water manifold to be used in conjunction with your shop air to quickly and easily clean the oil gallery holes in gas and diesel engines
- Stainless steel brushes are standard with the kits
- Do **NOT** use with caustics • 110°F max water temp.



Description	Jobber	Order No.	Incl.
36" Cleaning Wand Kit	\$329.99	HPOG-1000	▼
18" Cleaning Wand Kit	299.99	HPOG-1018	▼
36" Cleaning Wand Assembly (wand, grip & brush adaptors)	299.99	HPOG-36	x
18" Cleaning Wand Assembly (wand, grip & brush adaptors)	269.99	HPOG-18	x
36" Cleaning Wand	59.99	HPOG-W36	
18" Cleaning Wand	49.99	HPOG-W18	
3/8" Stainless Steel Cleaning Brush	9.99	HPOG-375	x x
1/2" Stainless Steel Cleaning Brush	9.99	HPOG-500	x x
5/8" Stainless Steel Cleaning Brush	9.99	HPOG-625	x x
3/8" Nylon Cleaning Brush w/ 8-32 thread	7.99	HPOG-375N	
1/2" Nylon Cleaning Brush w/ 8-32 thread	7.99	HPOG-500N	
5/8" Nylon Cleaning Brush w/ 8-32 thread	7.99	HPOG-625N	
3/4" Nylon Cleaning Brush w/ 8-32 thread	7.99	HPOG-750N	
13/16" Nylon Cleaning Brush w/ 8-32 thread	7.99	HPOG-812N	
7/8" Nylon Cleaning Brush w/ 8-32 thread	7.99	HPOG-875N	
1" Nylon Cleaning Brush w/ 8-32 thread	7.99	HPOG-100N	
1 1/4" Nylon Cleaning Brush w/ 8-32 thread	7.99	HPOG-1125N	
8-32 Thread Adaptor	29.99	HPOG-832ADP	
2" Nylon Cleaning Brush w/ 1/4" pipe thread	29.99	HPOG-2000N	
2 1/4" Nylon Cleaning Brush w/ 1/4" pipe thread	29.99	HPOG-2250N	
2 1/2" Nylon Cleaning Brush w/ 1/4" pipe thread	29.99	HPOG-2500N	
3" Nylon Cleaning Brush w/ 1/4" pipe thread	29.99	HPOG-3000N	
3 1/2" Nylon Cleaning Brush w/ 1/4" pipe thread	29.99	HPOG-3500N	
4" Nylon Cleaning Brush w/ 1/4" pipe thread	29.99	HPOG-4000N	
4 1/2" Nylon Cleaning Brush w/ 1/4" pipe thread	29.99	HPOG-4500N	
5" Nylon Cleaning Brush w/ 1/4" pipe thread	29.99	HPOG-5000N	
1/4" Pipe Thread Adaptor	39.99	HPOG-14ADP	
1/4" Spray Nozzle	69.99	HPOG-125NOZ	

CRANK
FLYWHEEL

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

Parts Cleaning

Table Top Ultrasonic Cleaning Machines

Ultrasonic cleaning is extremely effective at removing dirt and grime—even in the smallest of crevices. Normally, this would require tedious hand cleaning. Ultrasonic tabletop cleaning machines are ideal for cleaning a wide variety of instruments and mechanical parts; engine and electrical components; jewelry; and other items.

These ultrasonic tabletop cleaning machines return your parts to an almost “like new” condition without damaging delicate parts or surfaces. It's high-performance cleaning that cleans your parts faster and cheaper than the alternatives.

Choose from the accessories listed below or call **Goodson** at **1-800-533-8010** for information on additional Ultrasonic Machine sizes.



ULTRA 1300M (USC-1300M)



ULTRA 2000M (USC-2000M)

	Ultra 1300M (USC-1300M)	Ultra 2000M (USC-2000M)
Capacity:	3.6 gallons (13.63 liters)	6 gallons (22.71 liters)
Tank Dimensions:	12.75"L x 11.5"W x 5"D 324 x 292 x 127mm	19.5"L x 11.6"W x 7"D 495 x 295 x 178mm
Working Depth:	5"D (130mm)	7"D (178mm)
Machine Dimensions:	14"L x 13"W x 13"H 355 x 330 x 330mm	21"L x 13"W x 15"H 533 x 330 x 381mm
Basket Dimensions:	11.5"L x 10.5"W x 4"H 292 x 266 x 101mm	18"L x 11"W x 4.75"H 457 x 279 x 121mm
Controls:	Manual	Manual
Ultrasonic Frequency:	33/40 kHz Sweeping	33/40 kHz Sweeping
Ultrasonic Power:	200 Watts	400 Watts
Heaters:	300 Watts	500 Watts
Electric:	120V @ 5 Amps	120V @ 7.5 Amps
Order No.	USC-1300M	USC-2000M
Jobber:	\$899.99	\$1499.99

Now 3 Formulas



Ultrasonic Detergents

- Safe for ferrous metals & aluminum
- Medium Duty can be used on plastic
- For ultrasonic immersion tanks
- Medium Duty includes rust preventive
- 5 gallons / 18.39L containers

Formula	Mix Ratio	Uses	pH	Jobber	Order No
Water : Detergent					
Medium Duty	20 : 1	Metals, Plastics	11.6	\$139.99	USD-MD50
Heavy Duty	10 : 1	Metals, Aluminum	11.6	149.99	USD-HD50*
Caustic	10 : 1	Cast Iron Only	11.6	159.99	USD-CD50*

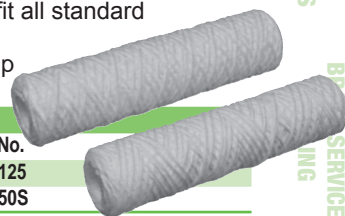
*Hazardous Goods Fees Apply – Hazardous items are non-returnable

Ultrasonic Cleaning Machine String Micron Filter

- Ensure your ultrasonic cleaning machine performs at its peak and delivers the clean your customers demand
- Available in 2 filtrations - 50 and 125 Microns
- Measure 2.5" dia. x 10"L and will fit all standard 10" filter housing units
- High structural strength to stand up to severe operating conditions

String Micron Filters (2½" x 10"L)

Filtration	Jobber	Order No.
125 microns	\$15.99	USCF-125
50 microns	15.99	USCF-50S



Oil Absorbent Tube

- Measure approximately 3" dia. x 14"L
- Use to absorb and remove excess oil from your Ultrasonic Cleaning Machine
- Replace every 4 to 12 weeks as required
- Order No. **OA-1-SM** Jobber \$14.99

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRASS SERVICE
ING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

... another
satisfied
customer

"Your service is excellent and it is very nice to be treated so well as a customer.

— Steve, Kirby's Machining, Grover Beach, CA, Goodson customer since 1990

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

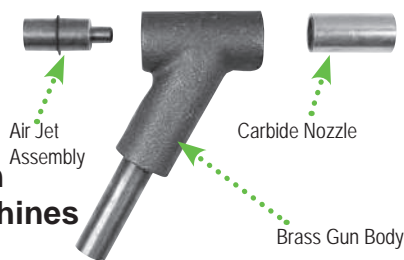
MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

Glass Bead Gun for Smaller Machines

- Solid brass body
- Fits Trinco, Econoline, etc.
- Includes Gun Body, Nozzle and Air Jet Assembly
- Replacement parts available

Description	Jobber	Order No.
Complete Gun For Smaller Machines	\$108.99	GB-113
Replacement Parts		
Gun body only	\$61.99	GB-111
Carbide nozzle 19.05mm OD, 7.94mm ID	57.99	GB-204
Air jet assembly 3.97mm ID, 25 CFM	23.99	GB-330
Ceramic Nozzles (3 Pack) for GB-9 Glass Bead Gun	41.99	GB-9-NOZ



Glass Bead Cabinet Window Film

- Protects the inside of glass bead cabinet windows
- Save time and money – replace the film rather than the glass • 24" x 10' roll
- Order No. **GB-FILM**
- Jobber \$19.99

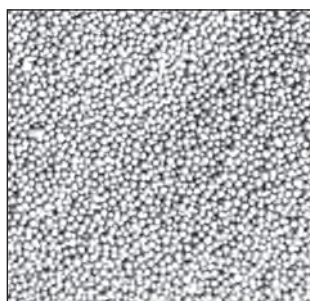


tech tips
from the techxperts™

For best results, attach film to cabinet window with ordinary double-faced tape (not included).

Glass Beads

- Clean parts thoroughly without removing material
- 50 lb. bag • Size #8
- Safe for ferrous & non-ferrous materials
- Order No. **GB-CM**
- Jobber \$51.99



ARMEX®

Maintenance XL Formula Soda Blast Cleaning Media

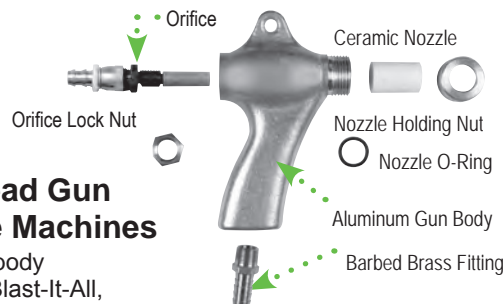
- 270 micron / 70 Grit Formula
- Use to strip clean almost any car surface including, steel, aluminum, Fiberglas® and plastics
- Ideal for blocks, heads and intake manifolds
- Dissolves in warm water, minimizing particle ingestion that can block fuel lines and passageways
- Won't damage the surface you're cleaning
- Non-toxic and non-hazardous with a pH of 8.2
- 50 lb. / 22.7 kG bags
- Order No. **SMB-170** Jobber \$36.99



Glass Bead Gun for Large Machines

- Aluminum body
- Fits Zero, Blast-It-All, Winona Van Norman, etc.
- Includes .313" ID ceramic nozzle

Description	Jobber	Order No.
Complete Gun For Larger Machines	\$144.99	GB-100
Replacement Parts		
Gun body only	\$85.99	GB-101
Barbed Brass fitting	8.99	GB-04
Nozzle holding nut (not included in kit)	15.99	GB-54



Rebuild Kits	Jobber	Order No.	Includes			
.250" ID	\$59.99	GB-4-OK				
.313" ID	59.99	GB-5-OK				
.375" ID	59.99	GB-6-OK				
.437" ID	67.99	GB-7-OK				
Ceramic Nozzles .250" ID	23.99	GB-74			x	
7/8" OD x 1 1/8" .313" ID	23.99	GB-75			x	
.375" ID	23.99	GB-76		x		
.437" ID	28.99	GB-77		x		
Replacement Orifices	46.99	GB-64				x
	46.99	GB-65			x	
	46.99	GB-66		x		
	46.99	GB-67		x		
Orifice Lock Nut	9.99	GB-52	x	x	x	x
O-Ring	6.99	GB-53	x	x	x	x



Glass Bead Gloves

- 30" overall length
- For ports up to 10" diameter
- Durable cloth-lined Neoprene glove with nylon sleeve
- Sleeve design makes attaching glove to your machine, faster and easier • Clamp sold separately

Port Size	Description	Jobber	Order No.
Up to 8"	Single: left-hand glove	\$34.99	GB-654-G
(20.32 cm)	Single: right-hand glove	34.99	GB-655-G
	Pair: one right-hand & one left-hand	59.99	GB-660-G
	Pair+: one right-hand, two left-hand	89.99	GB-663-G
Up to 10"	Single: left-hand glove	39.99	GB-754-G
(25.4 cm)	Single: right-hand glove	39.99	GB-755-G
	Pair: one right-hand & one left-hand	77.99	GB-770-G
8" and 10"	Replacement Clamp: fits both port sizes	8.99	GB-CLAMP

SAFETY TIP: NEVER point the Glass Bead Gun at the cabinet window or your co-workers!

Cleaning Media

For Parts Tumblers

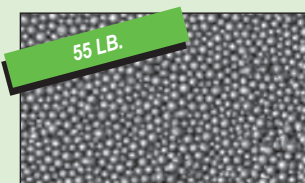


Ceramic Diagonals (20 lb.)
For soft materials such as brass and aluminum. $\frac{5}{16}$ " dia., $\frac{5}{8}$ " long
Order No. **PTM-20CR** Jobber \$74.99

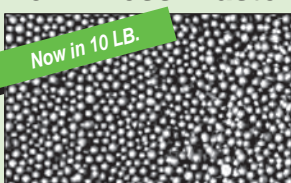


Steel Diagonals (20 lb.)
Ideal for valves.
 $\frac{5}{16}$ " dia., $\frac{5}{8}$ " long
Order No. **PTM-20D** Jobber \$234.99

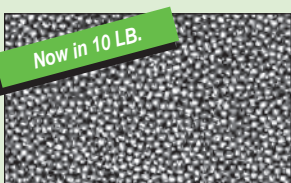
For Airless Blasters



Steel Shot, 170 grade (55 lb.)
Ideal for cleaning cast iron heads.
Diameter varies from .017" to .024".
Order No. **SS-CM** Jobber \$74.99



Stainless Steel Shot, Conditioned.
Clean aluminum heads to look like new.
Restores bright aluminum finish. Lasts longer than plain carbon steel shot.
Diameter varies from .006" to .016".
10 lb.
Order No. **SS-CS10** Jobber \$69.99



Stainless Steel Cut Wire Shot
Unconditioned. Clean cast iron or aluminum heads before and normalize after welding. Helps prevent surface corrosion after blasting.
.020" Diameter. 10 lb.
Order No. **SS-CW10** Jobber \$109.99



Parts Tumbler Solution

- Dilute 30:1 with water
- For best results, dry parts with compressed air • 1 gallon / 3.78L
- Order No. **PT-SOL** Jobber \$13.99

Hot Tank Gloves

- One size fits most
- Sold in pairs
- Neoprene fully coated with knit lining
- Shoulder length features eyelets & strings at tops to prevent slipping

Description	Jobber	Order No.
Gauntlet Length (14" long)	\$24.99	HTG-200
Elbow Length (18 $\frac{1}{2}$ " long)	35.99	HTG-200E
Shoulder Length (34 $\frac{1}{2}$ " long)	69.99	HTG-200L



See Pages
126-127
for Keepers

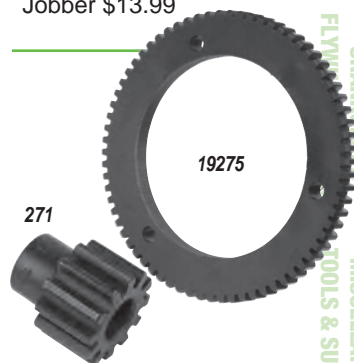
Keeper-Keeper

- Screws closed tightly
- $\frac{1}{4}$ " holes
- Ideal for tumbling keepers
- Solvent resistant PVC
- Order No. **VK-15** Jobber \$15.99

See Page
125 for
Valve Stems

Valve Stem Protectors

- Protects against parts tumbler damage
- Slips on and off easily
- 16 per package
- Order No. **VSP-16** Jobber \$12.99



Replacement Gears For Sioux™ 710 Parts Tumbler

- Replaces discontinued Sioux™ parts

Description	Jobber	Order No.
Steel Gear	\$61.99	271
Fiber Gear	59.99	19275

Full Length Neoprene Shop Apron

- Protects from caustics, steam, grease and oil
- Bib-style • 35" x 45"
- Order No. **HTA-300** Jobber \$30.99

Shown with Shoulder Length Hot Tank Gloves (above)



Cloth Shop Apron

- Bib-style apron
- Heavy duty black fabric
- Several handy pockets
- Embroidered Goodson Racing logo
- Machine Washable
- Order No. **CA-100** Jobber \$29.99



Parts Tumbler Basket

- Fits Goodson, K.I., Axe, RMC, and Peterson
- 8" x 12" x 12"
- Order No. **PT-BASKET** Jobber \$369.99



CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

FLYING
CRANKSHAFTS

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

Organize, Clean And Store Small Parts With GOODSON Small Parts Baskets

- Galvanized, welded 1/4" mesh
- Withstands most solvents
- Not for use in caustics



Small Basket with Lid

- 2 1/4" dia. x 7" L
- Order No. **PWB-2** Jobber \$11.99

Medium Basket with Lid

- 4 1/2" dia. x 7" L
- Order No. **PWB-4** Jobber \$13.99



Single Basket with Handle

- 8" dia. x 9" L
- Lid & clip sold separately
- Order No. **PWB-10** Jobber \$14.99



Single Basket with Lid, Clip & Handle

- 8" dia. x 9" L
- Order No. **PWB-15** Jobber \$23.99



Double Basket with Clip

- 9" dia.
- 16" L
- Hinged on one side
- Order No. **PWB-25** Jobber \$24.99



Lid & Clip

- For PWB-10
- Order No. **PWB-10L** Jobber \$9.99



Clip Only

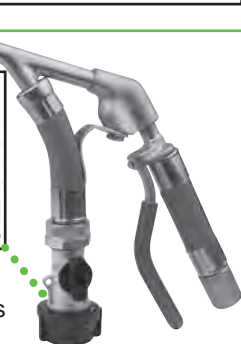
- Order No. **PWB-15C** Jobber \$3.99

Nozzle

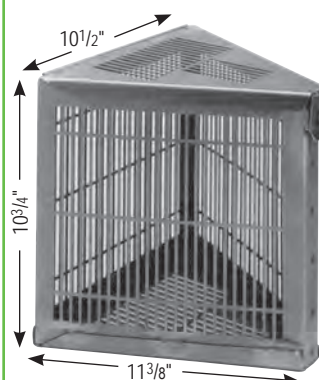
Water Shut-Off Valve

Hydro-Air Gun

- Hold by the air supply hose
- Use with hot or cold water
- The grip stays cool even when spraying hot water
- Maintenance free design
- Compact for reaching into tight areas
- Replacement parts available

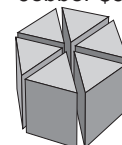


Description	Jobber	Order No.
Hydro-Air Gun Assembly	\$94.99	BG-150
Replacement Water Shut-off	10.99	BG-150W
Replacement Nozzle	24.99	BG-150A



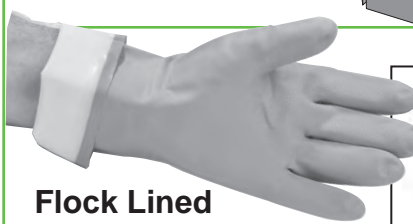
Jet Wash Parts Basket Makes a 24" Circle

- Triangle-shaped • Sit side by side on Jet Wash table
- Fit more baskets in the machine to clean faster
- Order No. **JWB-6** Jobber \$99.99



Six baskets fit in 24" diameter

Buy 3 and save 10% off jobber



Get the Right Size Gloves

Size	Inches
L	3.5" to 4.0"
M	3.7" to 4.4"
XXL	5.0" to 5.5"



Flock Lined Nitrile Parts Gloves

- Nitrile exterior with diamond grip pattern
- Flock lined • Won't swell • 13" long
- Safe for solvents • Sold as pairs

Size	Jobber	Order No.
Large	\$ 8.99	PWG-SOL-L
X-Large	11.99	PWG-SOL-XL
XX-Large	11.99	PWG-SOL-XXL

Shrink Wrap

- Easy-to-use
- High-clarity film
- Keep machined surfaces clean
- Protects from dirt, dust and moisture
- No need to stock several bag sizes



Size	Jobber	Order No.
5" x 1000' w/ Extended Core	\$14.99	SW-5
18" x 1500' with 3" core	36.99	SW-18

Lint-Free Disposable Assembly Wipes

- Snow-white
- Pop-up box
- 9" x 17"
- Ideal for a multitude of uses at the shop, at the track, even at home! • 220 pack
- Order No. **AW-250** Jobber \$25.99



Engine & Parts Storage Bags

- Rugged, 3-mil thickness resists tearing
- Engine bags feature 4-mil thickness for extra strength
- Protects your professional work
- Waterproof • Protect finished work from damage
- Jumbo engine bags are extra-strong and big enough to fit complete engines
- Jumbo head bags fit the largest heads
- Ideal for storing heads, cranks, blocks, etc.

dimensional
shipping



BC-17



BC-15



BE-20

Heads, Cranks
• 16" x 37"
• 3-mil thick
Box of 100
• **BC-15** \$64.99
10 Pack Bags
• **BC-15-10PK**
\$9.99

Jumbo Head
• 17" x 44"
• 3-mil thick
Roll of 100
• **BC-17** \$72.99
10 Pack Bags
• **BC-17-10PK**
\$12.99

Box-Style
• 27"x18"x36"
• 3-mil thick
Box of 50
• **BE-20** \$69.99
10 Pack Bags
• **BE-20-10PK**
\$15.99

Jumbo Engine
• 44" x 52"
• 4-mil thick
• Imprinted
Roll of 50
• **BE-44** \$133.99
10 Pack Bags
• **BE-44-10PK**
\$29.99



Concentrated Hot Tank Detergent Powders For Cast Iron

- Strong alkaline • pH 12.8
- Removes dirt, heavy oil, grease, carbon, light rust and paint
- Mix ratio 1/2 lb. powder to 1 gal. of water
- 25 lbs.
- Order No. **D-Ci25**
Jobber \$108.99

Hazardous Goods Fees Apply – Non-returnable



Defoaming Agent Stops Foaming In Coolants

- For jet washers, air-agitated hot tanks and coolant sumps
- Highly concentrated – start with 1 ounce in 50 gallons

Size	Jobber	Order No.
8 oz. / 236.6mL	\$11.79	D-FOAM-10
1 gallon / 3.78L	34.79	D-FOAM-128

Pro Jet Spray Cleaning Powder

- Heavy-duty • Non-caustic
- Penetrates to emulsify encrusted dirt, grease and oil on cast iron & aluminum
- Won't foam excessively
- Additives prevent scale build-up in jet spray components
- Use to maximum 165° F/ 73.9° C
- Mix ratio: 4 oz. powder to 1 gallon of water • pH: 12
- 40 lb. / 18.14 kg pail
- Order No. **PJS-50** Jobber \$124.99



Concentrated Hot Tank Detergent Powders For Non-Ferrous Parts

- Safe on aluminum & sensitive metals, rubber & plastic parts
- Removes heavy grease and oil
- 50 lb. pail • pH: 12.85
- Mix ratio: 1/4 lb. powder to 1 gallon of water
- Order No. **D-AL50**
Jobber \$141.99

Hazardous Goods Fees Apply – Non-Returnable



Micro Biostat

- Controls bacteria and fungus in coolant reservoirs
- Treat at 1 oz. per 5 gallons of capacity
- Operate machine for 30 minutes then empty the reservoir
- Refill with coolant and treat 1 oz. per 10 gallons
- Re-treat every 10 days to 2 weeks as needed so it can't happen again
- 16 oz. / 473.2mL bottle
- Order No. **GBP-20** Jobber \$43.99

Hazardous Goods Fees Apply – Non Returnable

pH Test Strips

- Easy to use • 100 tests per package
- Use the handy guide on the box to determine pH between 0 and 14
- Order No. **HT-PH**
Jobber \$43.29

tech tips
from the techxperts™

Pay attention to the mix ratio on cleaning products!

It's important that you start mixing on the weak side and work your way up. An overly strong concentration is just as ineffective as an overly weak mixture. Use pH Test Strips to check the concentration.



CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



"We offer every customer the opportunity to open a Goodson account for faster, easier ordering and to save you money on C.O.D. shipments. Call today for details!"
- Diane, Goodson Customer File Maintenance - 20 years of service

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TOOLS

V-TWIN & METRIC
HARD PARTS

Last Blast Spray Paint

- Quick-dry formula lets you handle parts in minutes
- Pigment won't smudge AND resist abrasion, corrosion and most solvents
- Paint heads, blocks and parts just like OE
- Withstands heat up to 250°F/121.1°C
- 12 oz. cans
- **Last Blast** restores a "fresh from the bead-blaster" look to all types of cast iron
- **Aluminum Last Blast** makes aluminum heads and parts look new
- **Color Last Blast** paint heads and parts in popular, factory colors
- **Hi-Temp Last Blast** Withstands continuous heat up to 1200°F. Heat at 450°F for 1 hour to create a professional, durable finish



Color	Jobber 1+	Jobber 12+	Order No.
Cast Iron Gray	\$6.99	\$6.29	LB-1*
Aluminum Gray	6.99	6.29	ALB-1*
GM Black (Gloss)	7.49	6.74	CLB-58*
Ford Blue	7.49	6.74	CLB-60*
Chevy Orange	7.49	6.74	CLB-61*
Hi-Temp Cast Iron Gray	7.99	7.19	LB-1-HT*
Hi-Temp Aluminum Gray	7.99	7.19	ALB-1-HT*
Hi-Temp Black (Matte)	7.99	7.19	CLB-58-HT*

Mix or Match Quantities to SAVE! Order 12 cans, save 10% off Jobber

*Aerosol — Hazardous Goods Fees Apply When Shipped By Air



Industrial Metal Markers

- No shaking needed • Quick dry
- Withstands oil, grease & surface contact • Won't lose its brilliance or legibility
- Medium point

Color	Jobber 1+	Jobber 5+	Order No.
Orange	\$6.99	\$6.29	MM-STD
Black	6.99	6.29	MM-010
Yellow	6.99	6.29	MM-030
White	6.99	6.29	MM-050
Green	6.99	6.29	MM-060
Red	6.99	6.29	MM-070
Blue	6.99	6.29	MM-080

Mix or Match Quantities to SAVE! Order 5 or more, save 10% off Jobber

Universal Gel Lube

- Sprays on as a liquid and forms into a gel within seconds
- Penetrating formula blends with motor oil
- Multiple uses, including cams, lifters, rocker arms, bearings, pistons/wrist pins, cylinders, etc.
- Provides lubrication for engines subjected to prolonged storage before initial start-up
- Aerosol*
- Order No. **GL-8U** Jobber 1+ \$18.99 ea. Jobber 6+ \$17.09 ea.

Order 6 or more,
Save 10% off jobber



*Hazardous Goods Fees Will Apply if Shipped By Air

2" Dispensing Pliers for Flexible Tubes

- Maximizes the use of all the material in the tube due to its effective means of application
- Dispenses the thickest sealant through a very small opening, permitting better application control
- Reduces both cleanup time and the possibility of skin contact or other problems caused by excess material squeeze-out
- Order No. **EB-416** Jobber \$19.99



High-Performance Hylomar® Gasket Maker & Thread Sealer



- Maintains seal integrity up to 600°F / 315.5°C
- Polyol-based compound turns from a gel into flexible putty within minutes of application
- Non-hardening formula is impervious to oil, gasoline, glycol and other engine fluids
- Oxygen-sensor safe
- Seals gaps .01" or less
- 100 gram tube
- Order No. **HBS-1** Jobber \$26.99



Assembly & Break-In

Order 6 or more, Save 10% off jobber



Press Fit Lube

- A light coat eases press fit
- Ideal for valve guides, piston pins, cylinder sleeves, etc.
- Eliminates the scoring, gouging and galling of parts during press fitting
- 6 oz. / 177.4mL • Aerosol*
- Order No. **PFL-200**
- Jobber 1+ \$12.99 ea.
- Jobber 6+ \$11.69 ea.

*Hazardous Goods Fees Apply When Shipped By Air



Press Fit Lubricant

- A light coat eases assembly
- Multiple applications
- Eliminates scoring, gouging and galling of parts during press fitting

Description	Jobber	Order No.
Aerosol 7 oz. / 207 mL	\$19.99	B-200*
Brush Applicator 200 mL	27.99	B-200L

* Hazardous Goods Fees Apply When Shipping By Air



Extreme Pressure Lube

- Withstands pressures up to 50,000 PSI
- Highly refined petroleum product
- Contains no lead, graphite or minerals
- Won't corrode fine surfaces or emulsify with cooling liquids
- Surfaces stay lubed and protected
- In a grease form • 4 fl. oz. / 118.29mL
- Order No. **EPL-4** Jobber \$9.99

Order 6 or more, Save 10% off jobber



Spray Assembly Lube

- Ideal for lubricating parts to ease assembly
- Eliminates critical initial run-in of new and rebuilt high-performance engine components
- Spray on bearings, crankshafts, pistons, rings, etc.
- Aerosol* • Order No. **SAL-11**
- Jobber 1+ \$14.99 ea.
- Jobber 6+ \$13.49 ea.

* Hazardous Goods Fees Apply If Shipped By Air



First Lube Engine Assembly Lube

- Prevent dry engine start-ups after long-term storage
- Contains Zinc and Moly
- Clings and forms a slick wall between moving parts
- Withstands start-up pressure
- Compatible with all motor oils

Size	Jobber	Order No.
8 oz. / 236.6mL	\$ 6.99	FL-10
1 gallon / 3.78L	37.99	FL-128



Blood Friction Master® Engine Assembly Lube

- Contains a low friction additive (PTFE) for dry start-ups
- Ideal for long-term storage
- Forms a slick wall between moving parts
- Clings until dissolved by oil
- Withstands start-up pressure
- Compatible with all motor oils
- Ideal for high performance

Size	Jobber	Order No.
8 oz./236.6 mL w/brush	\$ 13.99	AL-22-8
1 gal./3.78 L w/pump	133.99	AL-22-10



Need Zinc?

Cam-Shield® Camshaft Assembly Paste

- Provides anti-wear protection for camshafts during break-in
- 2500 parts per million of Zinc
- Use with mechanical and hydraulic camshafts & lifters
- For racing, street, classic, agricultural, diesel & marine camshafts
- 4 oz. / 118.29 mL Brush Top Jar
- Order No. **CSAP-4** Jobber \$18.99



Mr. Race Oil® Engine Assembly Gel

- For all 4-stroke engines!
- An advanced engine assembly gel designed to stay in place for engine protection during storage, shipping and start-up time
- Petroleum based, oil soluble product
- Colored blue so you can see where it's applied
- 8 ounce jar • Order No. **EAG-8** Jobber \$35.99



CYLINDER HEAD
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BRAKE SERVICE
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MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

BRM

Brake Rotor
Flex-Hones
page 114

Flex-Hones® For Any Type And Size Of Cylinder

- Abrasive globules each have independent suspension • Self-centering • Self-aligning • Self-compensating for wear
- Applications are interchangeable, select bore size • Right Hand rotation only

240 Grit Silicon-Carbide Valve Guide Flex-Hones®

- Ideal for all materials including cast iron, bronze, phosphor bronze and aluminum

Size	mm	OAL	Jobber	Order No.	Incl.
6 Pc. Kit					
			\$84.99	VG-F-KIT	▼
1 1/64"	4.5	6"	21.99	VG-F-4.5MM	
1 3/64"	5.0	8"	21.99	VG-F-5MM	
7/32"	5.5	8"	21.99	VG-F-5.5MM	
1/4"	6.4	8"	21.99	VG-F-6.4MM	x
9/32"	7.0	8"	21.99	VG-F-7MM	x
5/16"	8.0	8"	21.99	VG-F-8MM	x
11/32"	9.0	8"	21.99	VG-F-9MM	x
3/8"	10.0	8"	21.99	VG-F-10MM	x
7/16"	11.0	8"	21.99	VG-F-11MM	x
15/32"	12.0	8"	21.99	VG-F-12MM	
33/64"	13.0	8"	21.99	VG-F-13MM	
7/16"	14.0	8"	21.99	VG-F-14MM	
19/32"	15.0	8"	21.99	VG-F-15MM	

400 Grit Diamond Valve Guide Flex-Hones®

- Ideal for heat treated steel, high nickel stainless steel, chromes or plated bores, MMX aluminum alloys, ceramics and carbide

Size	mm	OAL	Jobber	Order No.
1/4"	6.4	8"	\$39.99	VGFD-6.4MM
5/32"	7.0	8"	39.99	VGFD-7MM
5/16"	8.0	8"	39.99	VGFD-8MM
11/32"	9.0	8"	39.99	VGFD-9MM
3/8"	10.0	8"	39.99	VGFD-10MM



**Order 3 or more
Flex-Hones®
(mix & match) and
save 10% off jobber**

120 Grit Silicon-Carbide Flex-Hones®

- Ideal for all materials including cast iron, bronze, phosphor bronze and aluminum
- When ordering heavy-duty, order on cylinder size

Standard				Heavy-Duty		
Size	mm	OAL	Jobber	Order No.	OAL	Jobber
2"	50.8	8"	\$26.99	BG-210		
2 1/4"	57.2	8"	29.99	BG-225		
2 1/2"	63.5	8"	31.99	BG-250		
2 3/4"	69.8	8"	34.99	BG-275		
3"	76.2	8"	39.99	BG-300	13 1/2"	\$64.99
3 1/4"	82.6	13 1/2"	44.99	BG-325	13 1/2"	69.99
3 1/2"	88.9	13 1/2"	49.99	BG-350	13 1/2"	71.99
3 3/4"	95.3	13 1/2"	54.99	BG-375	13 1/2"	74.99
4"	101.6				13 1/2"	82.99
4 1/8"	104.8	13 1/2"	54.99	BG-418		
4 1/4"	107.9				13 1/2"	87.99
4 3/8"	111.1	13 1/2"	72.99	BG-438		
4 1/2"	114.3				13 1/2"	89.99
4 5/8"	117.5	13 1/2"	64.99	BG-462		
5 1/2"	139.7				17 1/2"	118.99
6"	152.4				17 1/2"	119.99
6 1/2"	165.1				17 1/2"	137.99

180 Grit Silicon-Carbide Flex-Hones®

- Ideal for all materials including cast iron, bronze, phosphor bronze and aluminum
- Sizes with extra-long shanks are ideal for cam bearings

Standard				Extra-Long Shank*		
Size	mm	OAL	Jobber	Order No.	OAL	Jobber
5/16"	15.9	8"	\$17.99	BH-625		
3/4"	19.1	8"	18.99	BH-750		
13/16"	20.6	8"	22.99	BH-820		
7/8"	22.2	8"	18.99	BH-875		
1"	25.4	8"	19.99	BH-1000		
1 1/8"	28.6	8"	20.99	BH-1125		
1 1/4"	31.8	8"	22.99	BH-1250		
1 3/8"	34.9	8"	23.99	BH-1375		
1 1/2"	38.1	8"	24.99	BH-1500		
1 5/8"	41.3	8"	24.99	BH-1625		
1 3/4"	44.5	8"	25.99	BH-1750	17 1/2"	\$54.99
2"	50.8	8"	26.99	BH-2000	17 1/2"	56.99
2 1/4"	57.2	8"	29.99	BH-2250	17 1/2"	57.99
2 1/2"	63.5	8"	31.99	BH-2500	17 1/2"	59.99
2 3/4"	69.8	8"	32.99	BH-2750	17 1/2"	61.99

*CBF flex-hones include and extender & nipple for OAL of 17 1/2"

320 Grit Standard Duty Silicon-Carbide Flex-Hones®

- Ideal for all materials

Size	mm	OAL	Jobber	Order No.
1 1/4"	31.8	8"	\$33.99	BG-125320
2 1/4"	57.2	8"	43.99	BG-225320
3"	76.2	8"	59.99	BG-300320
3 3/4"	82.6	13 1/2"	69.99	BG-325320
3 1/2"	88.9	13 1/2"	74.99	BG-350320
3 3/4"	95.3	13 1/2"	79.99	BG-375320
4 1/8"	104.8	13 1/2"	82.99	BG-418320
4 3/8"	111.1	13 1/2"	109.99	BG-438320
4 5/8"	117.5	13 1/2"	99.99	BG-462320

320 Grit Heavy Duty Silicon-Carbide Flex-Hones®

- Ideal for all materials

Size	mm	OAL	Jobber	Order No.
4"	101.6	13 1/2"	\$119.99	BGD-400320
4 1/4"	107.9	13 1/2"	129.99	BGD-425320
4 1/2"	114.3	13 1/2"	134.99	BGD-450320

240 Grit Aluminum-Oxide Flex-Hones®

- Ideal for hard surfaces such as Nicasil and hardened steel

Size	mm	OAL	Jobber	Order No.
2 1/4"	57.2	8"	\$37.99	BA-225240
2 3/8"	60.2	8"	38.99	BA-237240
2 1/2"	63.5	8"	39.99	BA-250240
2 5/8"	66.8	8"	39.99	BA-262240
2 3/4"	69.8	8"	44.99	BA-275240
3"	76.2	8"	51.99	BA-300240
3 3/4"	82.6	13 1/2"	57.99	BA-325240
3 1/2"	88.9	13 1/2"	61.99	BA-350240
3 3/4"	95.3	13 1/2"	67.99	BA-375240
4 1/8"	104.8	13 1/2"	71.99	BA-418240
4 5/8"	117.5	13 1/2"	79.99	BA-462240

RIGHT HAND ROTATION ONLY! For best results, always use with an ample flow of honing oil



Coolants and Lubricants

We don't stock one type of coolant and claim that it suits all types of grinding, nor do we carry one type of oil and try to sell it for every application. Each of our coolants, lubricants and oils is formulated to deliver better results and longevity in its specific use. All of our coolants prolong the life of grinding wheels, retard corrosion and rancidity. Colors may vary. **Note: Dilution ratio is water to coolant.**

Grinding Coolants

All-Purpose Grinding Coolant

A synthetic water soluble coolant that "Licks Rust". Dilute 30:1

Size	Yield	Jobber	Order No.
1 gal.(3.78L)	30 gallons	\$ 31.99	CGC-1288
5 gal.(18.9L)	150 gallons	149.99	CGC-5288

Crank & Cam Grinding Coolant

Synthetic, non-nitrate, high lubricity coolant. Dilute 20:1

Size	Yield	Jobber	Order No.
1 gal.(3.78L)	20 gallons	\$ 33.99	CGC-10
5 gal.(18.9L)	100 gallons	149.99	CGC-50

Multi-Duty Grinding Coolant

Medium-duty, low foaming, synthetic coolant with rust inhibitors. Safe for ferrous and non-ferrous metals alike. No nitrates, phenols, chlorine or sulfur. Dilute 30:1

Size	Yield	Jobber	Order No.
1 gal.(3.78L)	30 gallons	\$ 39.99	GPC-10
5 gal.(18.9L)	150 gallons	199.99	GPC-50

Belt-Resurfacing Coolant

For all belt-type resurfacers with or without down-pressure. Dilute 30:1

Size	Yield	Jobber	Order No.
1 gal.(3.78L)	30 gallons	\$ 47.99	SGB-10
5 gal.(18.9L)	150 gallons	229.99	SGB-50

Surface Grinding Coolant

Non-foaming, non-nitrate coolant for single-piece resurfacing wheels or segments. Dilute 20:1

Size	Yield	Jobber	Order No.
1 gal.(3.78L)	20 gallons	\$ 29.99	SGC-10
5 gal.(18.9L)	100 gallons	139.99	SGC-50

Flywheel Grinding Coolant

Includes a synthetic rust inhibitor that prevents rancidity. For all flywheel grinders. Dilute 30:1

Size	Yield	Jobber	Order No.
1 gal.(3.78L)	30 gallons	\$ 41.99	FG-1101-G
5 gal.(18.9L)	150 gallons	149.99	FG-1102-G

Grinding & Honing Oils (Not Water Soluble)

Cylinder Honing Oil (Clear)

Ideal for portable hones and all makes of automotive honing machines. Mixes readily with other brands (including Sunnen®).

Size	Jobber	Order No.
1 gal.(3.78L)	\$ 24.99	HO-10
5 gal.(18.9L)	114.99	HO-50
55 gallons	1372.29	HO-550



Rod Honing Oil (Dark Brown)

Keeps stones clean & free-cutting during rod reconditioning, pin fitting and other honing jobs. Will mix with other brands (including Sunnen®).

Size	Jobber	Order No.
1 gal.(3.78L)	\$ 35.99	RHO-10
5 gal.(18.9L)	174.99	RHO-50



Diamond Honing Oil (Brown)

Specially formulated to withstand the cutting pressures created when using our Diamond Valve Guide Honing System.

Size	Jobber	Order No.
8 oz.(236.6mL)	\$ 5.29	DHO-8
1 gal.(3.78L)	38.99	DHO-10
5 gal.(18.9L)	174.99	DHO-50



Sunnen® Mineral Based Honing Oil

Formulated for general purpose automotive machine shop honing. Compatible with most popular honing machines.

Size	Jobber	Order No.
5 gal. (18.9L)	\$160.27	MAN-845



Sunnen® Honing Oil Concentrate

Formulated for general purpose automotive machine shop honing. Compatible with most popular honing machines. Add your own Mineral Oil. Mix Ratio: 10:1 for MAN-845 or 2:1 for MB-30

Size	Jobber	Order No.
5 gal. (18.9L)	\$263.83	MAN-C



Sunnen® Mineral Based Multi-Purpose Honing Oil

High performance lubricity agents with sulfur extreme-pressure additives. Won't weld or tear the work-piece. For metals from aluminum to zirconium

Size	Jobber	Order No.
5 gal. (18.9L)	\$170.21	MB-30



Valve Grinding Oil (Light Yellow)

Universal valve grinding oil extends wheel life. Mineral based. Prevents rancidity, foaming & deposits.

Size	Jobber	Order No.
1 gal.(3.78L)	\$ 29.99	VGO-10
5 gal.(18.9L)	139.99	VGO-50



Severe Duty Valve Grinding Oil (Brown)

For grinding titanium, Inconel®, stainless steel and stellite valves. Includes additives to improve cutting performance under pressure.

Size	Jobber	Order No.
1 gal.(3.78L)	\$ 34.99	VGO-SD10
5 gal.(18.9L)	174.99	VGO-SD50



Titanium Valve Grinding Aid

Mix ratio of 1:4. Add to mineral based valve grinding oils. Improves finish on titanium, stainless steel and stellite valves.

Size	Jobber	Order No.
32 oz.(946.6mL)	\$44.99	VGA-T32



Machine Lubricants

Flywheel Grinder Table Lubricant

Helps extend flywheel grinder life. This high-pressure oil is designed to lubricate table bearings and ways. For all makes of flywheel grinders.

Size	Jobber	Order No.
1 gal.(3.78L)	\$39.99	FG-1131-G



Way Oil

Adhesive oil formulated to provide extended lubrication and rust protection for machine-tool ways.

Size	Jobber	Order No.
1 gal.(3.78L)	\$29.99	WO-50



Rust Shield for Shop Equipment

Prevents rust and won't cause rancidity. Protective film mixes with coolant so you don't have to clean it off before using the machine.

Size	Jobber	Order No.
1 gal.(3.78L)	\$27.99	RS-128



CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
FLYWHEEL GRINDING
CRANKSHAFT/
TOOLS & SUPPLIES
MISCELLANEOUS
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS

... another satisfied customer

"Outstanding customer service; always. Goodson has gone above and beyond to assure we have the tooling we need here at the school."

- Jimmy Stray, School of Automotive Machinists & Technology, Houston, TX, Goodson customer since 1992

CYLINDER HEAD
REBUILDING

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TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



WINONA VAN NORMAN, VAN NORMAN, PETERSON, KANSAS INSTRUMENTS

1-EDGE CUTTER BIT

Fits Model Numbers	Type	Bit Dia.	Jobber	Order No.
777, 900, 905, 944, 965	General	1/4"	\$40.99	VN-1
777S, 777S4, 944S, CB11, BC22XL, PK447S	General	3/8"	40.99	VGS-1
	Hard Sleeves	3/8"	40.99	VGS-2
	Sleeve Cutter	3/8"	40.99	VGS-3
888, 999	General	1/16"	59.99	VN-360

Original Van Norman

Fits Model Numbers	Type	Bit Dia.	Jobber	Order No.
777S, 944S	Hard Sleeves	3/8"	\$52.99	777-179

HOLDERS FOR 6-EDGE TIPS - Use RT-6B and RT-6BT

Fits Model Numbers	Length	Height	Jobber	Order No.
777, 900, 905, 944, 965	1 1/8"	3/4"	\$162.99	VN-135
777S, 777S4, 944S	2"	1 3/16"	164.99	VN-122

Bore Range: 2.65" to 4.50"

Standard Carbide Replacement Cutter Tip		\$ 9.99	RT-6B
Titanium Coated Carbide Replacement Tip		10.99	RT-6BT enlarged

MISCELLANEOUS PARTS

Fits 6-Edge Holders Above	Bit Screw	\$3.99	VN-130
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KWIK-WAY

1-EDGE CUTTER BIT FOR OE HOLDERS

Fits Model Numbers	Type	Bit Dia.	Jobber	Order No.
F, FT, FL, FN, FR, FS,	Rough	5/16"	\$29.99	KWL-R
FW, FWS, FWSII, FX	Finish	5/16"	29.99	KWL-F
Models After 1770	Sleeve Cutter	5/16"	29.99	KWL-C

HOLDER FOR 6-EDGE TIPS - Uses RT-6B or RT-6BT Tips

Fits Model Numbers	Length	Height	Jobber	Order No.
FL, FN, FR, FS, FT, FW	2 1/16"	5/8"	\$139.99	KWL-116

Standard Carbide Replacement Cutter Tip	9.99	RT-6B
Titanium Coated Carbide Replacement Cutter Tip	10.99	RT-6BT

PETERSON-BERCO

1-EDGE CUTTER BIT FOR OE HOLDERS

Fits Model Numbers	Length	Bit Dia.	Jobber	Order No.
ACP-151-A, ACP-151-BL, SCP-151-P	1 3/4"	10mm	\$37.99	PB-151

ROTTLER

1-EDGE CUTTER BIT FOR OE HOLDERS

Fits Model Numbers	Length	Bit Dia.	Jobber	Order No.
All Bars	1 3/4"	1 1/32"	\$22.99	RL-1
Sleeve Cutter for All Bars	1 3/4"	1 1/32"	22.99	RL-1C

HOLDER WITH 3-EDGE TIP - Includes one RL-2T Tip

Fits Model Numbers	Length	Bit Dia.	Jobber	Order No.
All Bars	1 1/4"	1 1/32"	\$31.99	RL-2H
Replacement Screw for RL-2H			3.99	RL-2S
Replacement Cutter Tip			11.99	RL-2T

STORM-VULCAN

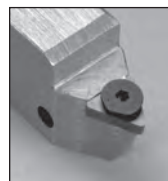
1-EDGE CUTTER BIT FOR OE HOLDERS

Fits Model Numbers	Length	Bit Dia.	Jobber	Order No.
NS, BCG, BCT, 220, 260	3/4"	5/16"	\$41.99	S-1



1-Edge Replaceable Type

Tool holder with separate bit. Excellent cutting yet economical. Resharpens the cutter bit many times. When no longer usable, replace only the bit.

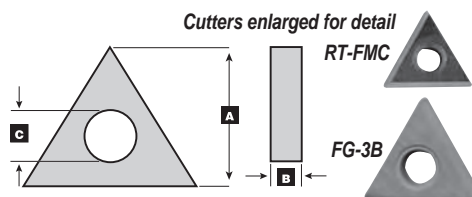


6-Edge Replaceable Type

Lowest-cost choice. Holders take 6-edge, replaceable tips. When one edge wears, turn to new surface. Never need to resharpen - just replace the tip.

Looking for Something Not Listed? Contact Goodson For Special Order Boring Bar Holders

1-800-533-8010



Replacement Tips & Parts

• Fit most boring bar holders

A	B	C	Edges	Jobber	Order No.
Standard Carbide					
.358"	.097"	.108"	3	\$18.99	SEQ-1
.345"	.094"	.140"	6	9.99	RT-6B
.447"	.124"	.149"	3	3.99	RT-FMC
.360"	.094"	.124"	3	10.99	FG-3B
.327"	.094"	.140"	3	11.99	RL-2T
Titanium Coated					
.345"	.094"	.140"	6	\$10.99	RT-6BT

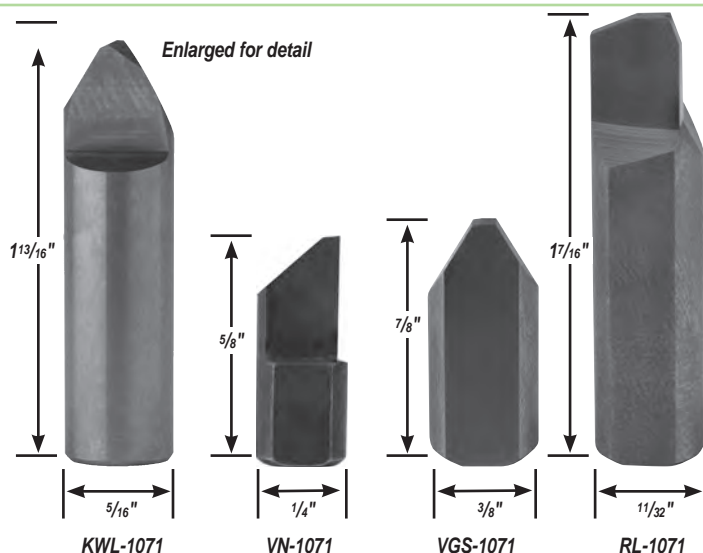
The more you buy, the more you save!

Order 10 or more tips, save 10% off jobber



Van Norman, Peterson or Kansas Instruments OE Catspaw Screws For 777S or PK-447S & 944S

Description	Jobber	Order No.
Catspaw Screws (1 each)		
For #1 Shoe (0.625"L)	\$ 9.49	800-114
For #2 Shoe (0.740"L)	10.99	800-115
For #3, 4 & 5 Shoe (0.940"L)	10.99	800-116



Solid Carbide Single Pass Boring Tools

- Greater fracture resistance than most carbide bits
- Ideal for hard alloys or interrupted cuts in automotive, high performance, marine, motorcycle and diesel engines

Description	Jobber	Order No.
Kwik-Way $\frac{5}{16}$ " x $1\frac{13}{64}$ " L	\$ 69.99	KWL-1071
Van Norman $\frac{1}{4}$ " x $\frac{5}{8}$ " L	69.99	VN-1071
Van Norman $\frac{3}{8}$ " x $\frac{7}{8}$ " L	69.99	VGS-1071
Rottler $1\frac{1}{32}$ " x $1\frac{1}{16}$ " L	69.99	RL-1071

Tensioner Stop Block for Chrysler 2.7 DOHC

- Eliminate broken timing chains, bent valves and chain backlash
- For VIN code R, U & V
- Mechanically supports hydraulic adjusters
- Use with plunger screw or bottom plate tensioners
- For NEW Chain Tensioners
- Order No. **DT-27** Jobber \$29.99



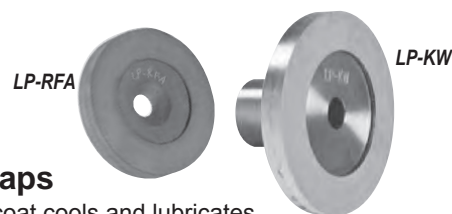
Boring Bar O-Ring Cutter Replaceable Tool Bits

- Cut grooves for O-rings to enhance gasket sealing for high-performance engines
- Machines a groove .037" wide
- Fit Winona Van Norman, VN, Peterson, KI, Kwik-Way & Rottler Holders

Description	Application	Jobber	Order No.
Tool Bits	Standard	\$72.99	KWVN-57
	Premium	79.99	KWVN-57C6

tech tips
from the techxperts™

To avoid breakage, use the standard cutter on cast iron blocks only and the Premium cutter on hard blocks. **CAUTION:** Avoid column drop as this will break the tips as well.



Diamond Laps

- A light lap oil coat cools and lubricates
- Remove build-up with lint-free cloth and Dressing Stick while lap rotates

Machine	OD	ID	Jobber	Order No.
Rottler	$1\frac{3}{4}$ "	$\frac{1}{4}$ "	\$209.99	LP-RFA
Kwik-Way	$3\frac{1}{4}$ "	$\frac{1}{2}$ "	279.99	LP-KW
Dressing Stick			9.99	LP-DS

Other Diamond Laps available by Special Order

Fine Lapping Oil

- A light lap oil coat cools and lubricates
- Use with a variety of applications including diamond laps (above) and crocus cloth (p. 58)

Description	Jobber	Order No.
Very Fine Lap Oil (4 fl. oz.)	\$10.49	LP-LO-4
Very Fine Lap Oil (8 fl. oz.)	17.99	LP-LO-8

1 lb. Roll Copper or Stainless Steel O-Ring Wire

- Copper wire is .0403" diameter
- Stainless steel wire is .0410" diameter

Description	Jobber	Order No.
Copper	\$82.99	OWC-0403
Stainless Steel	69.99	OWS-041



Conversion Calculator

We've tried to convert as many SAE measurements to Metric (and vise versa) as possible. In some cases there hasn't been enough room.

If you need to convert a measurement, here are the formulas:

Starting Measurement	Conversion Formula	Converted Measurement
Inches (in)	Inches x 25.4	Millimeters (mm)
Feet (ft)	Feet x .3048	Meters (m)
Millimeters (mm)	Millimeters ÷ 25.4	Inches (in)
Fahrenheit (F)	(F - 32) x (5 ÷ 9)	Celsius (C)
Celsius (C)	(C + 32) x (9 ÷ 5)	Fahrenheit (F)

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL, GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

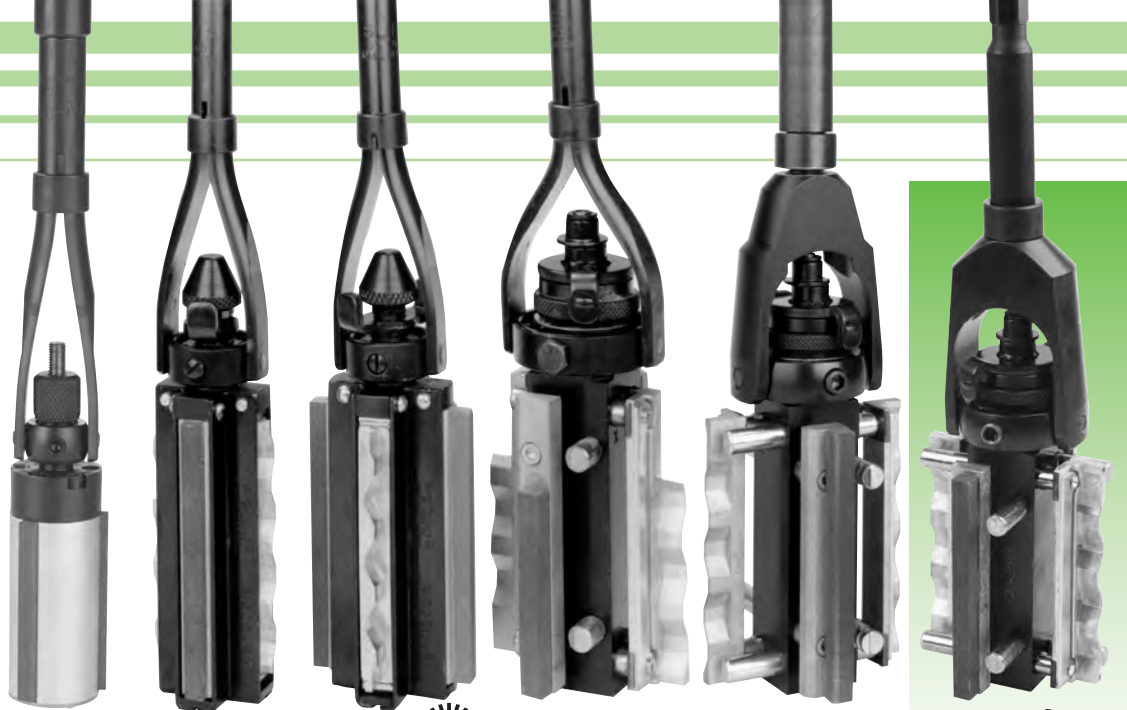
BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

tech tips
from the techxperts™

- 1 - Extend the range of your hone with the Master Holder and Stone Supports on the bottom of page 77
- 2 - Use with 1/2" non-pistol grip drill (5/8" drill for AN-815 & GH-2555)
- 3 - Heavy Duty units can also be used in manual hone cabinets


Portable Cylinder Hone Mandrels (stones sold separately)

Shaft extensions available.

	Junior Midget	Midget	Junior	Standard	Heavy-Duty	Heavy-Duty
Brand	Sunnen®	Sunnen®	Sunnen®	Sunnen®	Sunnen®	Goodson
Honing Range	1.25" - 1.75"	1.75" - 2.00"	2.00" - 2.60"	2.50" - 5.50"	2.50" - 5.50"	2.50" - 5.50"
Drive Shank	2.00" (incl.)	2.00" (incl.)	2.00" (incl.)	2.00" (incl.)	6.00" (incl.)	6.00" (incl.)
Drive Extension	12.00" (incl.)	12.00" (incl.)	12.00" (incl.)	12.00" (incl.)	12.00" (incl.)	12.00" (incl.)
Thread	3/8" - 14	3/8" - 14	3/8" - 14	3/8" - 14	3/8" - 11	3/8" - 11
Order No.	SNJ-10	SN-75	JN-95	AN-112	AN-815	GH-2555
Jobber	\$694.51	\$605.41	\$605.41	\$770.72	\$773.14	\$549.99

NOTE: Goodson is only authorized to ship Sunnen® products within the Western Hemisphere



Worldwide Shipping


Mineral Based Honing Oil

- Formulated for general purpose automotive machine shop honing
- 5 gallons / 18.93L
- **Not** water soluble
- Order No. **MAN-845**
Jobber \$160.27

Clear Mineral Based Honing Oil

- Helps keep stones clean and free-cutting
- Ideal for portable hones and all makes of automotive honing machines
- Mixes easily with other brands, including Sunnen®
- **Not** water soluble

Size	Jobber	Order No.
1 Gal./3.78L	\$ 24.99	HO-10
5 Gal./18.9L	114.99	HO-50

**Honing Stones**

- Ideal for Cast Iron

Grit	Range	mm	Finish	Jobber	Order No.
For Sunnen® Junior Midget Hone (SNJ-10) 3 Stones & No Wipers					
150 Grit	1.25" - 1.44"	31.8-36.6	45 Ra	—	\$29.23 SNJ1-J45
	1.42" - 1.60"	36.1-40.6	45 Ra	—	29.23 SNJ2-J45
	1.58" - 1.77"	40.1-44.9	45 Ra	—	29.23 SNJ3-J45
400 Grit	1.25" - 1.44"	31.8-36.6	8 Ra	—	29.23 SNJ1-J87
	1.42" - 1.60"	36.1-40.6	8 Ra	—	29.23 SNJ2-J87
	1.58" - 1.77"	40.1-44.9	8 Ra	—	29.23 SNJ3-J87
For Sunnen® Midget Hone (SN-75) 2 Stones & 2 Wipers					
70 Grit	1.75" - 2.00"	44.5-50.8	120 Ra	SN-100	\$25.47 S18-J17
150 Grit	1.75" - 2.00"	44.5-50.8	45 Ra	SN-200	25.47 S18-J45
220 Grit	1.75" - 2.00"	44.5-50.8	32 Ra	SN-300	25.47 S18-J55
280 Grit	1.75" - 2.00"	44.5-50.8	20 Ra	SN-500	25.47 S18-J65
400 Grit	1.75" - 2.00"	44.5-50.8	8 Ra	—	25.47 S18-J87
For Sunnen® Junior Hone (JN-95) 2 Stones & 2 Wipers					
70 Grit	2.00" - 2.20"	50.8-55.9	120 Ra	JN-100	\$25.47 T20-J17
	2.20" - 2.40"	55.9-60.9	120 Ra	JN-101	25.47 U22-J17
	2.40" - 2.60"	60.9-66.0	120 Ra	JN-102	25.47 V24-J17
150 Grit	2.00" - 2.20"	50.8-55.9	45 Ra	JN-200	25.47 S20-J45
	2.20" - 2.40"	55.9-60.9	45 Ra	JN-201	25.47 U22-J45
	2.40" - 2.60"	60.9-66.0	45 Ra	JN-202	25.47 V24-J45
220 Grit	2.00" - 2.20"	50.8-55.9	32 Ra	JN-300	25.47 T20-J55
	2.20" - 2.40"	55.9-60.9	32 Ra	JN-301	25.47 U22-J55
	2.40" - 2.60"	60.9-66.0	32 Ra	JN-302	25.47 V24-J55
280 Grit	2.00" - 2.20"	50.8-55.9	20 Ra	JN-500	25.47 T20-J65
	2.20" - 2.40"	55.9-60.9	20 Ra	JN-501	25.47 U22-J65
	2.40" - 2.60"	60.9-66.0	20 Ra	JN-502	25.47 V24-J65
400 Grit	2.00" - 2.20"	50.8-55.9	8 Ra	—	25.47 T20-J87
	2.20" - 2.40"	55.9-60.9	8 Ra	—	25.47 U22-J87
	2.40" - 2.60"	60.9-66.0	8 Ra	—	25.47 V24-J87



Goodson and Sunnen® Cylinder Honing Stones For all popular AN-style Hones and Hone Bodies

- Integral holder type Honing stone sets have 4 pieces: 2 holders with stones and 2 holders with aluminum wipers • Fit Sunnen® AN Standard, AN Heavy-Duty and Goodson **GH-2555** hones • Use with honing oil
- Stones for Short or Blind Holes are 2¹³/₁₆" long; all other stones are 4" long

• Mix or Match 5 HN stones, Save 10% off jobber **American Made**

Bore Range					SUNNEN®			GOODSON		
Grit	in	mm	Usage	Finish	Jobber	Old Order No.	New Order No.	Jobber 1+	Jobber 5+	Order No.
70 Grit Roughing	2.5"-2.7"	63.5-68.6	Cast Iron	120 Ra	\$29.86	AN-115	G25-J17	\$27.49	\$24.74	HN-115S
	2.7"-4.1"	68.6-104.1	Cast Iron	120 Ra	29.86	AN-100	M27-J17	27.49	24.74	HN-100S
			Cast Iron	120 Ra	—	—	—	27.49	24.74	HN-100R¹
			Short/Blind	120 Ra	30.89	AN-100-71	M27-J17-71	27.49	24.74	HN-102S
			Harley / VW	120 Ra	39.42	AN-100F	AN-100F	27.49	24.74	HN-100F
	3.5"-5.5"	88.9-139.7	Cast Iron	120 Ra	29.86	AN-101	N37-J17	27.49	24.74	HN-101S
			Cast Iron	120 Ra	—	—	—	27.49	24.74	HN-101R¹
			Short/Blind	120 Ra	30.89	AN-101-71	N37-J17-71	27.49	24.74	HN-104S
			Hard Sleeves	55 Ra	29.86	AN-131	N37-J11	27.49	24.74	HN-131S
	4.7"-15.0"	119.4-381	Cast Iron	120 Ra	29.86	AN-106	W47-J17	27.49	24.74	HN-106S
Use Master Holder & Sleeve Support			Hard Sleeves	55 Ra	29.86	AN-136	W47-J11	27.49	24.74	HN-136S
150 Grit Medium	2.5"-2.7"	63.5-68.6	Cast Iron	45 Ra	29.86	AN-215	G25-J45	27.49	24.74	HN-215S
	2.7"-4.1"	68.6-104.1	Cast Iron	45 Ra	29.86	AN-200	M27-J45	27.49	24.74	HN-200S
			Short/Blind	45 Ra	30.89	AN-200-71	M27-J45-71	27.49	24.74	HN-202S
			Hard Sleeves	30 Ra	—	—	—	27.49	24.74	HN-230S
	3.5"-5.5"	88.9-139.7	Cast Iron	45 Ra	29.86	AN-201	N37-J45	27.49	24.74	HN-201S
			Short/Blind	45 Ra	30.89	AN-201-71	N37-J45-71	27.49	24.74	HN-204S
			Hard Sleeves	30 Ra	29.86	AN-231	N37-J43	27.49	24.74	HN-231S
	4.7"-15.0"	119.4-381.0	Cast Iron	45 Ra	29.86	AN-206	W47-J45	27.49	24.74	HN-206S
			Hard Sleeves	30 Ra	29.86	AN-236	W47-J43	27.49	24.74	HN-236S
Use Master Holder & Sleeve Support			Cast Iron	32 Ra	29.86	AN-300	M27-J55	27.49	24.74	HN-300S
220 Grit Finishing	2.7"-4.1"	68.6-104.1	Short/Blind	32 Ra	30.89	AN-300-71	M27-J55-71	27.49	24.74	HN-302S
	3.5"-5.5"	88.9-139.7	Cast Iron	32 Ra	29.86	AN-301	N37-J55	27.49	24.74	HN-301S
			Short/Blind	32 Ra	30.89	AN-301-71	N37-J55-71	27.49	24.74	HN-304S
	4.7"-15.0"	119.4-381	Cast Iron	32 Ra	29.86	AN-306	W47-J55	27.49	24.74	HN-306S
Use Master Holder & Sleeve Support			Cast Iron	20 Ra	29.86	AN-515	G25-J65	27.49	24.74	HN-515S
280 Grit Fine Finish	2.7"-4.1"	68.6-104.1	Cast Iron	20 Ra	29.86	AN-500	M27-J65	27.49	24.74	HN-500S
			Short/Blind	20 Ra	30.89	AN-500-71	M27-J65-71	27.49	24.74	HN-502S
			Hard Sleeves	12 Ra	29.86	AN-530	M27-J63	27.49	24.74	HN-530S
	3.5"-5.5"	88.9-139.7	Cast Iron	20 Ra	29.86	AN-501	N37-J65	27.49	24.74	HN-501S
			Short/Blind	20 Ra	30.89	AN-501-71	N37-J65-71	27.49	24.74	HN-504S
			Hard Sleeves	12 Ra	—	—	—	27.49	24.74	HN-531S
	4.7"-15.0"	119.4-381.0	Hard Sleeves	12 Ra	29.86	AN-536	W47-J63	27.49	24.74	HN-536S
			Cast Iron	20 Ra	29.86	AN-506	W47-J65	27.49	24.74	HN-506S
	2.5"-2.7"	63.5-68.6	Cast Iron	8 Ra	29.86	—	G25-J87	27.49	24.74	HN-615S
	2.7"-4.1"	68.6-104.1	Cast Iron	8 Ra	29.86	—	M27-J87	27.49	24.74	HN-600S
400 Grit Extra Fine Finish			Hard Sleeves	5 Ra	29.86	—	M27-J85	27.49	24.74	HN-630S
	3.5"-5.5"	88.9-139.7	Cast Iron	8 Ra	29.86	—	N37-J87	27.49	24.74	HN-601S
			Hard Sleeves	5 Ra	29.86	—	N37-J85	27.49	24.74	HN-631S
	2.5"-3.3"	63.5-83.8	Cast Iron*	2-3 Ra	40.65	—	G25-C05	—	—	—
	3.3"-4.2"	83.8-106.7	Cast Iron*	2-3 Ra	61.23	—	MM33-C05	—	—	—
	4.0"-5.6"	101.6-142.2	Cast Iron*	2-3 Ra	61.23	—	NN40-C05	—	—	—

(*Cast Iron – 3 Ra., Hard Sleeves – 2 Ra., Steel– 3 Ra.)

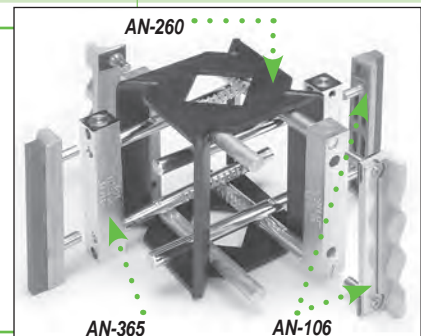
¹Ruby Aluminum-Oxide abrasive for longer life in rough cutting use

SUNNEN® Master Holder & Stone Supports

- Holds one 4" stone set
- Stones sold separately
- AN-365 requires use of AN-260
- Larger sizes available upon special order

Master Holder		
Dia. Range	Jobber	Order No.
4.7"-7.0"	\$171.67	AN-355
6.0"-9.0"	171.67	AN-365
Stone Supports for AN-365		
6.0"-9.0"	\$121.21	AN-260

Note: Larger sizes available by special order.



... another
satisfied
customer

"We appreciate you. For many years you have served us. Such prompt service. We are looking forward to more years. We just call and the parts are on the way."

— Arnold's Cylinder Head Shop, Ackerman, MS, Goodson customer since 1991

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

Keyway Honing Stone Sets

- Two-stroke engines have intake and exhaust ports that interrupt the operation of your honing stone
- These stones allow the hone to pass the intake and exhaust ports while maintaining consistent pressure to remove material accurately and easily
- Use with any AN- or GH-series hone (p. 76)
- For Cast Iron



Grit	Range	mm	Finish	Type	Jobber	Order No.
150 Grit	2.5" - 3.3"	63.5 - 83.8	45 Ra	Alum.	\$49.39	GY25-J45
Medium	3.3" - 4.2"	83.8 - 106.7	45 Ra	Alum.	49.39	MY33-J45
280 Grit	2.5" - 3.3"	63.5 - 83.8	20 Ra	Brass	49.39	GY25-J65
Fine Finish	3.3" - 4.2"	83.8 - 106.7	20 Ra	Soft	49.39	MY33-J65
400 Grit	2.5" - 3.3"	63.5 - 83.8	8 Ra	Brass	49.39	GY25-J85
Extra Fine	3.3" - 4.2"	83.8 - 106.7	8 Ra	Soft	49.39	MY33-J85

EHU
type stones

GEHN type stones



Stones & Shoes for Sunnen Hone Machines

- Premium-quality replacements for all CV-616, and CK-10 hones equipped with Sunnen® Master Holder Sets
- Diameter Range: 4.125" - 5.000" (104.8 - 127.0mm)
- Use with Master Holder Set CK-3045A (sold separately)
- 2 stones per set

Stones			Goodson - 1 set		Sunnen - 6 sets	
Use	Grit	Finish	Jobber	Order No.	Jobber	Order No.
Hard Blocks	70	60 Ra	\$13.99	GEHN-116	\$96.55	EHN-116
Hard Blocks	220	22-32 Ra	13.99	GEHN-512	96.55	EHN-512
Air Cooled Cyl.	220	22-32 Ra	13.99	GEHN-518	96.55	EHN-518
Hard Blocks	70	60 Ra	13.99	GEHU-123	96.55	EHU-123
Roughing	70	60 Ra	13.99	GEHU-133	96.55	EHU-133
Hard Blocks	220	22-32 Ra	13.99	GEHU-518	96.55	EHU-518
Gen. Purp.	220	22-32 Ra	13.99	GEHU-525	96.55	EHU-525
Aluminum	220	30-36 Ra	13.99	GJHU-525	96.55	JHU-525
High Nickel	280	20-25 Ra	13.99	GJHU-623	96.55	JHU-623
Finishing	280	16-23 Ra	13.99	GJHU-625	96.55	JHU-625
High Nickel	400	7-14 Ra	13.99	GJHU-818	96.55	JHU-818
Aluminum	400	7-14 Ra	13.99	GJHU-820	96.55	JHU-820
Accessories			Qty.	Jobber	Order No.	
Sunnen® Master Holder Set			1	\$279.11	CK-3045A	
Sunnen® Centering Guide (includes CK-3070)			1	140.22	CK-3090A	
Sunnen® Guide Shoe & Screw Set			1	22.73	CK-3070	
Sunnen® Guide Shoe & Screw Set			1	34.60	CK-3120	
Goodson Wear Shoe			1	24.99	C-3070K	
Goodson Stabilizing Shoe			2	39.99	C-3120K	

For Rod Honing Stones and Shoes see page 83



Tooling for Honing Dart Blocks & Ductile Sleeves

- Recommended for Dart™ Machinery
- Use with Sulfurated Rod Honing Oil (RHO-10 or RHO-50, p. 73) for all stone applications below

Description	Jobber	Order No.
Honing Stone Sets For Portable Tooling		
80 Grit	\$26.06	N37-A25
220 Grit	26.06	N37-A55
280 Grit	29.86	N37-J65
400 Grit	39.26	MM33-J85
For CK/CV Type Machines		
80 Grit Stone Set (6)	\$ 96.55	C30-A25
150 Grit Stone Set (6)	96.55	C30-A45
220 Grit Stone Set (6)	96.55	C30-A55
280 Grit Stone Set (6)	96.55	C30-J65
400 Grit Stone Set (6)	96.55	C30-J85
Hardened Steel Guide Shoe (1)	187.38	CK-3570
Delron® Guide Shoe (1)	125.14	CK-3070NY3X
Goodson Brand Shoes For CK/CV Type Machines		
Hardened Steel Guide Shoe (1)	\$124.99	GCK-3570
Delron® Guide Shoe (1)	94.99	GCK-3070NY3X

tech tips For CK & CV Machines, **DO NOT** use Bronze Guide Shoes, use from the techxperts™ Hardened Steel and Delron shoes above (1 of each)



Achieving a plateaued cylinder is a multi-step process. One that is far too detailed for the small space available here. Read more about this process on the Goodson Blog. Search for **Plateau Honing 101**.



Ultra-Finish Plateau Hones

- For Portable Hones, Hone Cabinets and CV/CK Tooling
- Abrasive impregnated nylon bristles
- Ideal for high-performance rebuilding and rebuilding newer style engines that use low-tension rings
- Superior plateau finish so rings will seal immediately
- Reduces break-in time
- Allows closer tolerances for improved compression, better oil control, lower emissions • Fits AN- or GH-series hones

For Portable Hones and Hone Cabinets – Includes 1 pair				
AN/GH-Style	3.78" - 4.68"	96.0 - 118.9	\$319.50	MM-PHT-731
For Sunnen CV / CK Hone Heads – Includes 1 pair				
Standard	3.10" - 5.00"	78.7 - 127.0	\$212.22	C30-PHT-731

Note: Others available by special order.



82° 3" Dia. Chamfering Cones & Mandrel

- Chamfer sharp edges for safe piston and ring installation
- Handles all diameter cylinders or sleeves
- Fits 3/8" (9.53mm) or larger drill • Kit (**CC-100**) includes mandrel and three 50 Grit Aluminum Oxide cones (**CC-15**)
- Due to manufacturing process, abrasive color may vary
- Aluminum-Oxide is a good general purpose abrasive suited for ferrous and non-ferrous metals
- Zirconium is a tough abrasive well suited for heavy stock removal on most metals



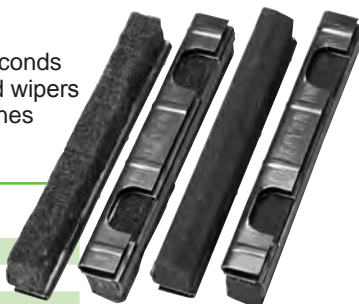
Description	Jobber	Order No.	Incl.
3" Top Dia. Chamfering Cone Kit	\$55.79	CC-100	▼
Replacement 3/8" Drill Adaptor	14.99	CC-100-1	x
Aluminum Oxide Chamfering Cones (red)	1+	5+	
40 Grit	\$ 8.99	\$8.09	CC-14
50 Grit	8.99	8.09	CC-15
80 Grit	8.99	8.09	CC-20
Premium Zirconia Chamfering Cones (blue)			
50 Grit	\$ 9.99	\$8.99	CCZ-15
80 Grit	9.99	8.99	CCZ-20

Mix & Match 5 Cones for Quantity Discount; Save 10% off Jobber

Lisle® Honing Stone Sets

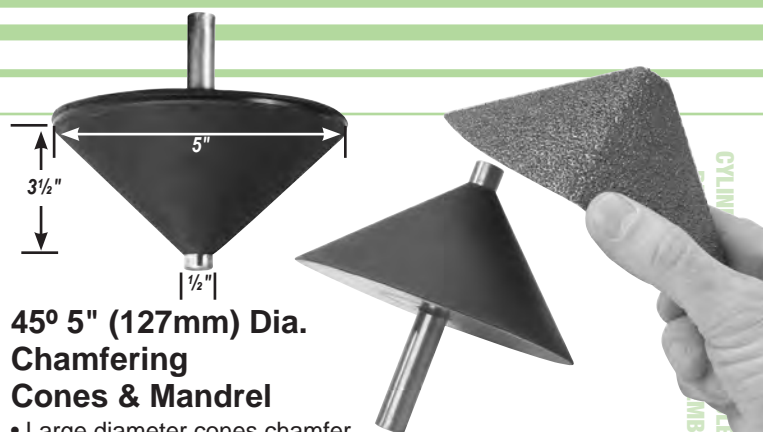
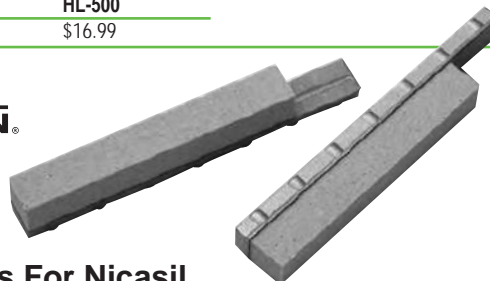
- Clip-on style mounts in seconds
- 5"/127mm long stones and wipers
- Each set contains two stones and two felt wipers
- Use dry

Replaces Lisle® No.	Grit	Order No.
15500	80	HL-80
15510	180	HL-180
15520	280	HL-280
15590	500	HL-500
Jobber per set		\$16.99



Honing Stone Sets For Nicasil

- For deglazing Nicasil with a CV/CK Honing Machine
- Diameter Range:
3.0" - 5.0" (76.2-127.0mm) in standard automotive head
2.6" - 3.5" (66.0-88.9mm) in junior head
- 150 grit aluminum oxide abrasive
- 2 stones per set; 6 sets per package
- Order No. **EHU-412** Jobber \$96.55



45° 5" (127mm) Dia. Chamfering Cones & Mandrel

- Large diameter cones chamfer the top of the cylinder to an exact 45° angle in one pass
- 1/2" (12.7mm) steel shank is permanently embedded in the cone base to ensure stability
- Cone height: 3 1/2" (88.9mm)
- Kit includes mandrel & one 36-grit cone (**CC-30**)
- Due to manufacturing process, abrasive color may vary
- Aluminum-Oxide is a good general purpose abrasive suited for ferrous and non-ferrous metals
- Zirconium is a tough abrasive well suited for heavy stock removal on most metals



Description	Jobber	Order No.	Incl.
5" Chamfering Cone Kit	\$142.99	CC-130	▼
Chamfering Cones	Abrasive	Grit	1+ 5+
	Aluminum Oxide (red)	36	\$ 8.99 \$8.09 CC-30
		50	8.99 8.09 CC-50
		80	8.99 8.09 CC-80
	Premium Zirconia (blue)	36	10.99 9.89 CCZ-36
		50	10.99 9.89 CCZ-50
		80	10.99 9.89 CCZ-80

Mix & Match 5 Cones for Quantity Discount; Save 10% off Jobber



Honing Stones for Nicasil

- Deglaze Nicasil cylinders with portable hones
- 150 Grit Aluminum-Oxide abrasive
- Resizing cylinders requires diamond abrasive
- For AN-style and GH-style hones

Inches	Metric	Jobber	Order No.
2.500" - 3.300"	(64 - 84mm)	\$39.26	GG25-A43
3.300" - 4.200"	(84 - 107mm)	39.26	MM33-A43
4.000" - 5.600"	(102 - 142mm)	39.26	NN40-A43



Order 3 or more Flex-Hones® (mix & match) and save 10% off jobber

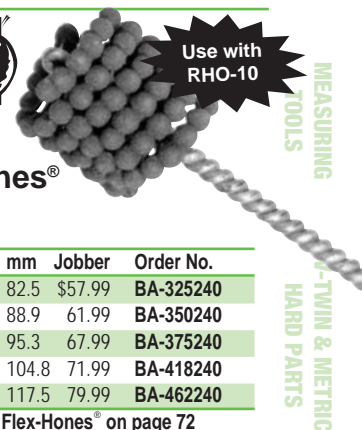


Use with RHO-10

Standard Duty 240 Grit Aluminum Oxide Flex-Hones® For Nicasil

Inch	mm	Jobber	Order No.
2 1/4"	57.2	\$37.99	BA-225240
2 3/8"	60.2	38.99	BA-237240
2 1/2"	63.5	39.99	BA-250240
2 5/8"	66.5	39.99	BA-262240
2 3/4"	69.8	44.99	BA-275240
3"	76.2	51.99	BA-300240
Inch	mm	Jobber	Order No.
3 1/4"	82.5	\$57.99	BA-325240
3 1/2"	88.9	61.99	BA-350240
3 3/4"	95.3	67.99	BA-375240
4 1/8"	104.8	71.99	BA-418240
4 3/8"	117.5	79.99	BA-462240

More Flex-Hones® on page 72





Mineral Based Honing Oil

- Formulated for general purpose automotive machine shop honing
- Excellent for con rods, piston pins, king pins or general shop honing
- Compatible with most popular honing machines
- 5 Gal. (18.93L)
- Order No. **MAN-845** Jobber \$160.27



Honing Oil Concentrate

- Formulated for general purpose automotive machine shop honing
- Compatible with most popular honing machines
- Add your own Mineral Oil
- Mix Ratio: 10:1 for MAN-845-5 and 2:1 to make MB-30-5
- 5 Gal. (18.93L)
- Order No. **MAN-C** Jobber \$263.83



Mineral Based Multi-Purpose Honing Oil

- High performance lubricity agents with sulfur extreme pressure additives
- Won't weld or tear the work-piece
- Works on metals from aluminum to zirconium
- 5 Gal. (18.93L)
- Order No. **MB-30** Jobber \$170.21



Water Based Honing Coolant Concentrate

- Suitable as a grinding coolant or general purpose metal working fluid for ferrous and non-ferrous parts
- 5 Gal. (18.93L) makes up to 55 gal.
- Mix Ratio: 10:1

Material	Jobber	Order No.
Hardened Steel	\$414.18	SCC-205
Cast Iron	560.27	SCC-605



Replacement PF Filter Cartridges

- Cartridges remove grit, metal and dirt from honing oil
- Fit Sunnen® CK-10, CV-616, LBB-1810, PF-150 and CH-100 honing machines



Description	Application	Qty.	Jobber	Order No.
Extra Fine	Oil Only	4 Pk.	\$197.21	PF-105-4
Fine	Oil Only	4 Pk.	197.21	PF-110-4
Extra Fine	Water Only	1 Pk.	145.30	PF-104
Fine (Fiberglass)	Water Only	1 Pk.	135.90	PF-160

Machine Capacities		
Mfr.	Machine	Capacity
Sunnen	LBB-1699	15 Gal.
	LBB-1660	15 Gal.
	LBB-1810	25 Gal.
	LBB-1803	25 Gal.
	EC-3500	32 Gal.
	ML-3500	32 Gal.
	ML-5000	32 Gal.
	ML-2000	28 Gal.
	CK-10	55 Gal.
	CV-616	55 Gal.
Sunnen	SV-10	55 Gal.
	CK-21	63.5 Gal.

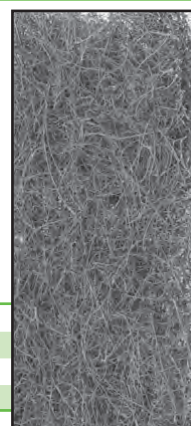
Machine Capacities		
Mfr.	Machine	Capacity
Rottler	H85AXY	70 Gal.
	H85A	70 Gal.
	H85AX	70 Gal.
	H86A	70 Gal.
	H86AX	70 Gal.
	H86AXY	70 Gal.

tech tips
from the techxperts™

1" Thick Rod Hone Filter Mat

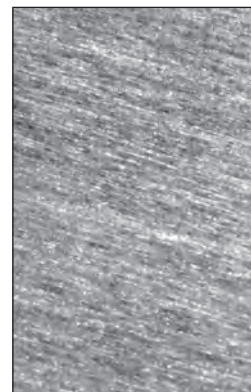
- Synthetic material
- Traps abrasive particles & metal filings BEFORE they enter the storage tank
- Cushions parts to prevent damage
- Replace when clogged
- 1" (25.4mm) thick

Inches	Metric	Jobber	Order No.
18" x 25"	45.7 x 63.5 cm	\$15.99	RH-MAT
26" x 40"	66.0 x 101.6 cm	24.99	RH-MAT-2
33" x 48"	83.8 x 121.9 cm	25.99	RH-MAT-3

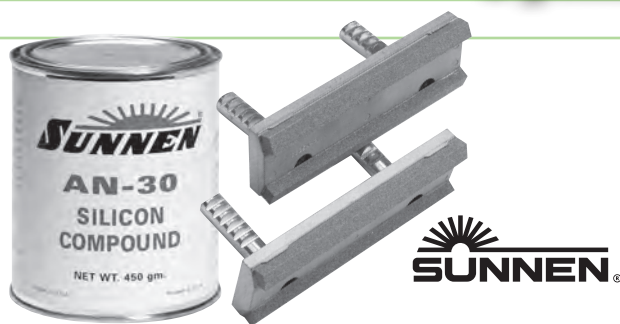


Hone Cabinet Filter Paper

- Reduce sump and filter clean-up
- Extend oil life
- Filter paper in the bottom of hone machine removes debris before oil enters the sump
- When full, dispose of properly
- 2 – 60" x 60" sheets (trim to fit)
- Order No. **HN-FP** Jobber \$19.99



Cylinder Boring & Honing



Hone High-Silicon Aluminum Alloy Blocks With Ease – Honing Stones & Silicon Compound

- Stones fit both the Sunnen® AN-112 and AN-815 and the Goodson GH-2555 Portable Honing Mandrels
- Use each stone set progressively until the final bore size is achieved • For Hone Diameter: 3.3" to 4.2"
- To create the final condition, coat the felt set and the honed cylinder surface with the Silicon Compound (AN-30) and lap the cylinders
- After completion, the cylinder will have a dull matte finish
- Piston and rings will ride on silicon instead of aluminum
- Silicon Compound 1 lb. / 450g

Description	Jobber	Order No.
Roughing (280 grit)	\$39.26	MM33-J63
Finishing (400 grit)	39.26	MM33-J85
Polishing (600 grit)	61.23	MM33-CO5
Felt Set	64.84	MM33-F05
Silicon Compound	65.59	AN-30



Mandrel Driver for Line Honing Machines

- For Sunnen® CH-100 & similar line honing machines
- Graduated adjustment knob advances and retracts honing stones
- Quick release lever allows hone removal and installation without resetting
- Stone pressure adjusts with dial
- Automatically advances stones during honing
- **NOT** for portable honing applications
- Order No. **CH-75A** Jobber \$1159.70

Goodson is now Authorized to Ship Sunnen Automotive Products into Canada

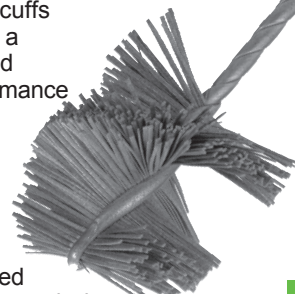
tech tips

Right Hand Rotation Only.

For best results, keep your RPM about the same as your hone RPM, use the same rate of speed and number of strokes per minute.

Ultra-Finish Plateau Soft Hones

- Remove microscopic peaks and scuffs without enlarging bores • Use with a portable drill • Abrasive impregnated nylon bristles • Ideal for high-performance engine rebuilding and for engines that use low-tension rings
- Use **after** honing
- Gives a superior plateau finish so rings seal immediately, reducing break-in time
- Allows closer tolerances for improved compression, better oil control, lower emissions
- For best results, use liberal amounts of honing oil (**HO-50**, pg. 73) • **NOT** interchangeable with Flex-Hones®



Hole Diameter Range in	Hole Diameter Range mm	Hone Dia.	Head Length	Overall Length	Jobber	Order No.
.875"-1.00"	22-25	1.250"	2.00"	10.00"	\$44.99	UF-100
1.00"-1.25"	25-32	1.500"	2.00"	10.00"	49.49	UF-125
1.25"-1.75"	32-45	2.000"	2.00"	10.00"	49.49	UF-175
1.75"-2.25"	45-57	2.500"	2.00"	10.00"	49.49	UF-200
2.25"-2.75"	57-70	3.000"	3.00"	10.00"	49.99	UF-250
2.50"-3.00"	63-76	3.500"	4.00"	14.00"	49.99	UF-300
3.00"-3.50"	76-89	4.000"	4.00"	14.00"	61.79	UF-350
3.50"-4.00"	89-102	4.500"	4.00"	14.00"	61.79	UF-400
4.00"-4.50"	102-114	5.000"	5.00"	14.00"	61.79	UF-450
4.50"-5.00"	114-127	5.500"	5.00"	14.00"	61.79	UF-500

Valve Guide Plateau Hones on page 33



Line Hone Mandrels, Stones & Shoes

- For the Sunnen® CH-100, CHV-31, CH-20 & CH-40 Line Honing Machines
- Hone unit includes 10 stones and 20 shoes (replacement stones & shoes available)
- Stones for Aluminum blocks (RY24-J45) are softer than those for cast iron (RY24-J49)
- Additional hone units, stones and shoes are also available by special order



Description	Jobber	Order No.
Hone Unit		
Diameter Range	Stone Length	Shipping Weight
2.40" to 2.70"	33.75"	40 lbs
2.70" to 3.00"	33.75"	45 lbs
3.00" to 3.50"	33.75"	50 lbs
Replacement Stones — 5 per box (Requires 10 stones)		
Recommended Application	Cast Iron	\$100.53
	Aluminum	100.53
Replacement Shoes — 10 per box (Requires 20 shoes)		
Fit 10RY-2400G & 10RY2700G	\$88.38	RG-D
Fit 10RY-3000H	95.04	RH-D

CYLINDER HEAD REBUILDING
CLEANING, ASSEMBLY & SAFETY
SHORT BLOCK REBUILDING
CRANKSHAFT/ FLYWHEEL GRINDING
MISCELLANEOUS TOOLS & SUPPLIES
BRAKE SERVICE TOOLING
MEASURING TOOLS
V-TWIN & METRIC HARD PARTS



"Our tech staff can help you solve problems fast. Call us with questions about product applications, machining processes, longer tool life, improving efficiency and any other technical topic. We're here to help."

- Paul, Goodson Customer & Tech Service - 2 years of service



Mandrel Driver for Portable Use of CR-, PL- and ML-Series Honers

- Ideal for spindle bushings mounted on axles and other jobs that can't be taken to the honing machine
- For holes $\frac{3}{4}$ "/19.05mm ID and larger, where length is at least 3 times the diameter
- ID Range: .744" - 3.875"/19mm - 98mm
- Graduated adjustment knob advances and retracts stones • 275 - 450 RPM range
- Use with any $\frac{1}{2}$ "/12.7mm drill or larger
- Order No. **GGN-150** Jobber \$995.90



Rod Honing Oil

- Includes additives for high pressure cutting
- Keeps stones clean and free-cutting during rod reconditioning, pin fitting and other honing applications
- Will mix with other honing oils (including Sunnen®)



Size	Jobber	Order No.
1 gal./3.78L	\$ 35.99	RHO-10
5 gal./18.9L	174.99	RHO-50



Goodson Belts for Sunnen® Rod Honing Machines

- Top-quality belts for long life

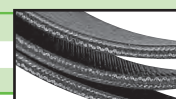


tech tips

from the techexperts™
You must measure the belt you are replacing. Ordering is based on length, not machine model. If your belt size doesn't match one in the chart, order the next size down. For example, if your belt measures 72 $\frac{1}{2}$ ", order the 70" Oil Pump Belt. Belts stretch over time so the shorter belt will fit.



Size	Jobber	Order No.
Oil Pump Belts (.250" dia.)		
70"/1.78m	\$ 97.99	RHB-70
74"/1.88m	97.99	RHB-74
85"/2.16m	97.99	RHB-85
109"/2.77m	113.99	RHB-109
Flat Belts		
45 $\frac{1}{2}$ " x $\frac{5}{8}$ "/1155.7x15.9mm	\$118.99	RHFB-45
46 $\frac{1}{2}$ " x $\frac{5}{8}$ "/1181.1x15.9mm	118.99	RHFB-46



CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



Stones & Replacement Parts For CR-Series Mandrels

- Sunnen honing stones are sold as pairs while Goodson honing stones are sold individually

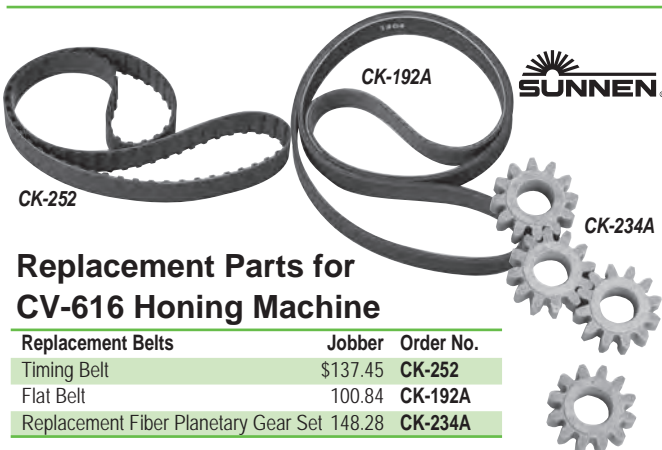
Honing Stones for Manual Honing*

Fit Mandrels	Finish	Jobber	Sunnen Order No.	Goodson Order No.
CR-1450 to 1750	Medium	\$25.92	CR-2	_____
	Fine	25.92	CR-4	_____
CR-1900 & Larger	Aluminum/ Titanium	25.92	CR-9	_____
	Roughing	25.92	CR-10	\$13.99 HC-10
	Medium	25.92	CR-12	13.99 HC-12
	Fine	25.92	CR-14	13.99 HC-14
For Power Hone	Roughing	29.84	CR-10N	_____
Guide Shoes (2 per box)				
CR-1450 to 1750	Die Cast	\$10.26	CR-40D	_____
CR-1900 & larger	Die Cast	10.84	CR-50D	_____
	Bronze	48.49	CR-50B	_____

Wedge & Wedge Plates

CR-1450 to 1750	Wedge	\$85.50	CR-70	_____
	Small Plate	36.83	CR-75	_____
	Large Plate	36.83	CR-85	_____
CR-1900 to 2500	Wedge	50.58	CR-100	_____
CR-1900 & Larger	Small Plate	42.46	CR-110	_____
	Large Plate	42.46	CR-120	_____
CR-2900	Wedge	65.52	CR-200	_____
Sunnen® Tension Block For CR-2900 & Larger		\$ 14.35	LN-1337A	
Sunnen® Shoe Clamps (4 + screws) for CR-1900 & larger		102.20	CR-45A	

*Sunnen® honing stones include 2/box, Goodson include 1/box



Replacement Parts for CV-616 Honing Machine

Replacement Belts	Jobber	Order No.
Timing Belt	\$137.45	CK-252
Flat Belt	100.84	CK-192A
Replacement Fiber Planetary Gear Set	148.28	CK-234A

Rod Honing Stones & Mandrels



KL-Series Connecting Rod Lifetime Honing Unit Mandrel Adaptor

- Mandrel Adaptor comes with retainer
- Order No. **AK20-A** Jobber \$45.59

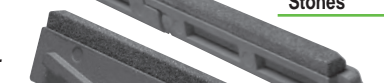
Rod Honing Stones, Guide Shoes & Replacement Parts

- Premium-quality • Choose Goodson or Sunnen®

SL
Stones



HP / PL
Stones



HM / ML
Stones


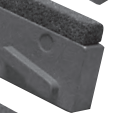
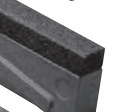






HK / KL
Stones

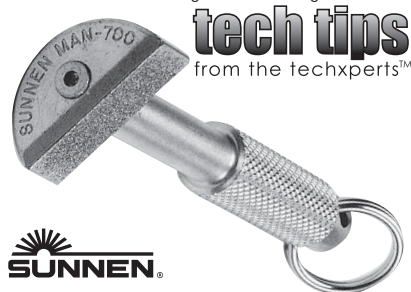


Bronze
Guide
Shoes



		Goodson			Sunnen®		Old	
Stones	Use	Jobber	Order No.	Qty.	Jobber	Order No.	Order No.	Qty.
	For Sunnen® SL720 - SL2300 Mandrel							
	Roughing	—	—		\$110.70	SL-5		6
	General Purpose	—	—		110.70	SL-7		6
	Finishing	—	—		110.70	SL-13		6
	For Sunnen® PL Series Mandrel							
	Roughing	\$8.99	HP-5	1	\$92.02	P28-J27	PL-5	12
	General Purpose	8.99	HP-7	1	92.02	P28-J47	PL-7	12
	Finishing	8.99	HP-13	1	92.02	P28-J67	PL-13	12
	For Sunnen® ML Series Mandrel							
	Roughing	\$8.19	HM-5	1	\$86.40	P20-J25	ML-5	12
	General Purpose	8.19	HM-7	1	86.40	P20-J47	ML-7	12
	Finishing	8.19	HM-13	1	86.40	P20-J67	ML-13	12
	For Sunnen® KL Series Mandrel							
	Roughing	\$8.19	HK-5	1	\$86.40	K20-J25	KL-5	12
	General Purpose	8.19	HK-7	1	86.40	K20-J47	KL-7	12
	Finishing	8.19	HK-13	1	86.40	K20-J67	KL-13	12
	Steel	—	—		86.40	K20-A69	KL-14	12
Bronze Guide Shoes		Jobber	Order No.	Qty.	Jobber	Order No.	Qty.	
	For Sunnen® KL and ML Series Mandrel							
	.775"-.805"	19.7-20.4mm	—	—	\$48.10	UA-B		2
	.838"-.899"	21.3-22.8mm	—	—	48.10	UB-B		2
	.900"-.993"	22.9-25.2mm	—	—	48.10	UC-B		2
	.994"-1.125"	25.2-28.6mm	—	—	48.10	UD-B		2
	1.119"-1.250"	28.4-31.8mm	—	—	48.10	UE-B		2
Note: Bronze guide shoes outlast die cast 6 to 1.								
Zinc Alloy Guide Shoes		Jobber	Order No.	Qty.	Jobber	Order No.	Qty.	
	For Sunnen® PL and ML Series Mandrel							
	1.355" - 1.500"	34.4-38.1mm	—	—	\$22.79	WC-D		2
	1.480" - 1.625"	37.6- 41.3mm	—	—	22.79	WD-D		2
	1.730" - 2.000"	43.9- 50.8mm	—	—	22.79	WE-D		2

When cutting action of your honing stone slows down, a light stroke with the diamond dresser breaks the glaze and restores honing efficiency. Especially recommended for rod reconditioning. Consists of diamond stone on a sturdy metal holder with a chain for fastening it to the honing machine.

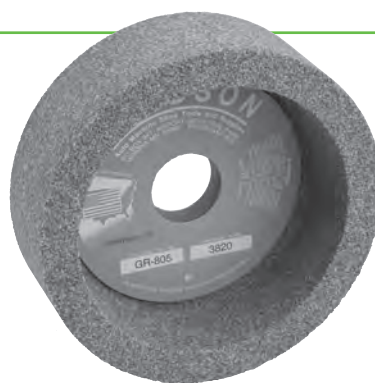


Diamond Stone Dresser

- Diamond stone on durable metal tool
- Order No. **MAN-700**
- Jobber \$98.60

Rod & Cap Grinding Wheels

- Fits Sunnen® Rod and Cap Grinding Machines
- Recessed design
- Size: 6" x 2" x 1 1/4" (152.4 x 50.8 x 31.8mm)
- Order No. **GR-805** Jobber \$109.99



Rod & Cap Grinding Wheels

- For Sunnen® and other popular brand cap grinders
- Fits CRG 700, 750, 770, 780, 805 & 920K
- Softer than GR-805 • 6" x 2" x 1 1/4"
- Order No. **F343793** Jobber \$77.99



CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

... another
satisfied *"This tool works!"*
customer

- Dennis Terrill, Terrill Motor Machine, Fort Lauderdale, FL, Goodson customer since 1990

CYLINDER HEAD
REBUILDING

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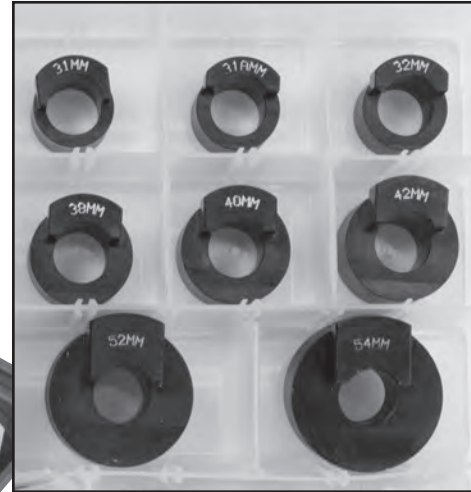
MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

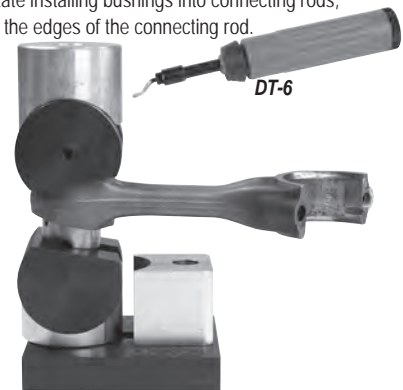
MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

Standard Wrist Pin Bushing Driver sizes range from 25mm to 54mm. If we don't have the size you're looking for in the chart below, we recommend you choose the next size up and turn it down on your lathe to the exact size you require.



To facilitate installing bushings into connecting rods, chamfer the edges of the connecting rod.



sized for
diesel

tech tips

from the techxperts™
When pressing together always press the rod onto the bushing and **NOT** the bushing into the rod. This prevents the bushing from collapsing or folding up.

American Made

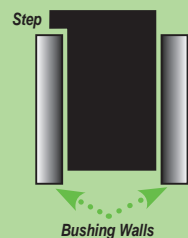
Universal Tapered Pin Bushing Press Kit For Light & Medium Duty Diesel Engines

This press kit is specially designed to remove and replace tapered bushings in most common light to medium duty diesel applications. Don't spend time making a fixture that's dedicated to a single size. Our Tapered Pin Bushing Press Kit is ready to go when you receive it. All you need is the correct bushing driver to get started.

Choosing A Driver

1. Measure the wrist pin diameter.
2. Select a driver from the chart at right that is .030" to .040" smaller.
3. Measure the thickness of the bushing.
4. Select the driver with a Step size that is 50% to 60% of the bushing thickness.

tech tips
from the techxperts™



EXAMPLE:

Wrist Pin Dia. 1.185"
Nearest Driver Dia. 1.158"

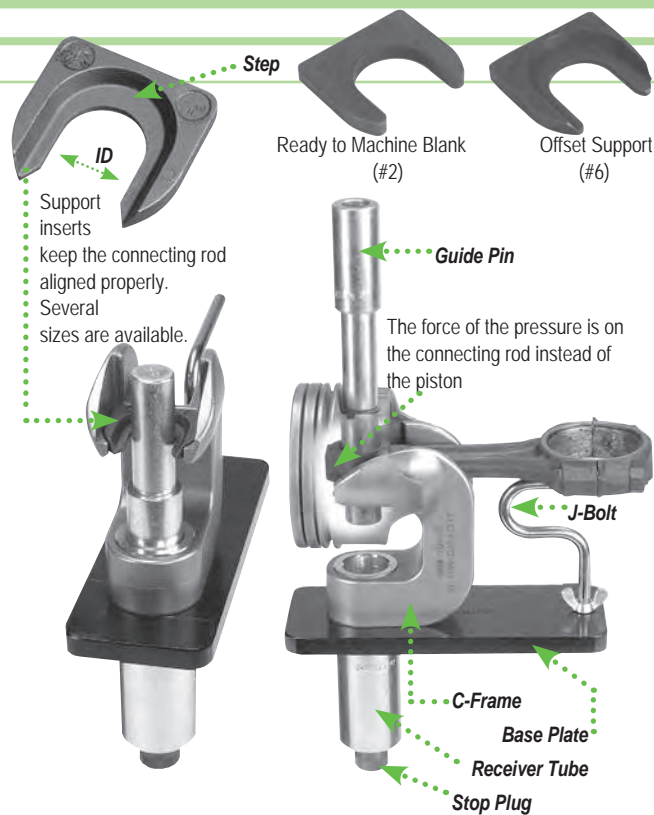
Bushing Thickness .150"
40% of Thickness 0.090"

Select Bushing Driver TBD-31

Description	Jobber	Order No.	Includes
Complete Wrist Pin Bushing Press Kit	\$1399.99	TB-KIT	▼
Wrist Pin Press Base (select drivers below)	819.99	TB-BASE	▼ x
Press Tube - Small (27x21x120mm)	41.79	TPT-SM	x
Press Tube - Large (30x31x110mm)	41.79	TPT-LG	x
Wrist Pin Ring (50x5x20/26mm)	17.99	WPR-001	x
Wrist Pin Parallels (2) 8x10x50mm	27.99	WPP-2	x
Extended Mandrel (8 1/2" long)	89.99	TB-MANDREL	x
Wrist Pin Bushing Drivers sold by dimension, not application			
MM	Nominal	Actual	Step
25	1.000"	0.957"	0.063"
26	1.063"	0.990"	0.058"
27	1.060"	1.032"	0.067"
28	1.100"	1.006"	0.055"
30	1.180"	1.102"	0.075"
31	1.220"	1.158"	0.090"
31	1.220"	1.198"	0.067"
32	1.260"	1.222"	0.078"
33	1.300"	1.268"	0.068"
34	1.340"	1.304"	0.073"
36	1.420"	1.377"	0.075"
38	1.500"	1.458"	0.076"
40	1.570"	1.554"	0.068"
42	1.650"	1.614"	0.097"
45	1.770"	1.742"	0.089"
46	1.810"	1.772"	0.108"
50	1.970"	1.940"	0.083"
52	2.050"	2.012"	0.114"
54	2.130"	2.099"	0.081"
Goodson Press Fit Lube (6 oz. Aerosol can)	12.99	PFL-200*	
Deburring Tool	20.99	DT-6	

*Hazardous Goods Fees Apply When Shipped Air

Rod & Piston Work



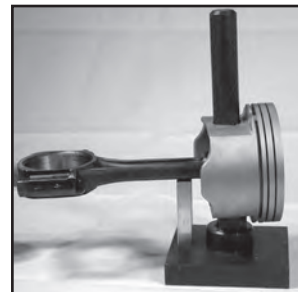
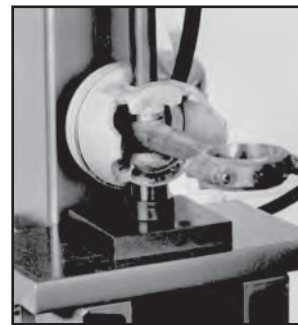
Piston Pin Removal Fixture

- Use to remove or install interference fit piston pins
- Force of removal is against the piston pin and connecting rod – no pressure is exerted on the piston itself
- Tool to fit most popular engines with pin diameters of 0.859" through 1.087"
- Replacement Support Inserts & Guide Pins sold separately

tech tips
from the techxperts™

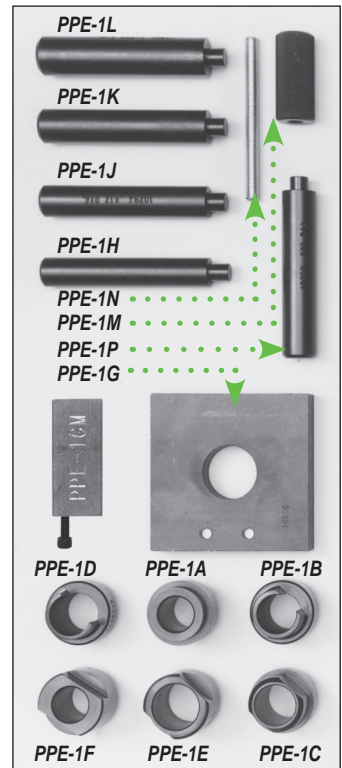
For Small Block Chevy use Support Insert #1 or Offset #6, for Big Block Chevy, use Support Insert #5, Support #2 is a blank, ready to be machined to your exact specifications.

Description	ID	Step	Jobber	Order No.	Incl.	
Complete Kit			\$999.99	PPE-7082	▼	
Replacement C-Frame			374.99	PPE-302186	x	
Replacement	#1	0.945"	.100"	43.99	PPE-39889	x
Support Inserts	#2	1.110"	.275"	43.99	PPE-39890	x
	#3	1.000"	.182"	43.99	PPE-39888	x
	#4	1.110"	.182"	43.99	PPE-39886	x
	#5	1.000"	.100"	43.99	PPE-39887	x
	#6	0.945"	.100"	43.99	PPE-39822	x
	Replacement Guide Pins	0.859"	34.99	PPE-17940	x	
		0.897"	34.99	PPE-17936	x	
		0.926"	34.99	PPE-17937	x	
		0.970"	34.99	PPE-17938	x	
		0.992"	34.99	PPE-17939	x	
		1.032"	34.99	PPE-17941	x	
		1.055"	34.99	PPE-17942	x	
		1.087"	34.99	PPE-18729	x	
Replacement Parts						
J" Bolt (Rear Support)			\$26.99	PPE-302224	x	
Wing Nut			1.99	PPE-10588	x	
1½"/30.2mm Stop Plug			41.99	PPE-17830D	x	
Base Plate			99.99	PPE-17929	x	
Receiving Tube			49.99	PPE-17931B	x	
Body Guide			49.99	PPE-17932B	x	
5½"/139.7mm Spring			8.99	PPE-17934	x	
Guide Pin Driver			24.99	PPE-17935	x	
1½"/41.3mm External Spiral Lock			11.99	PPE-17945	x	



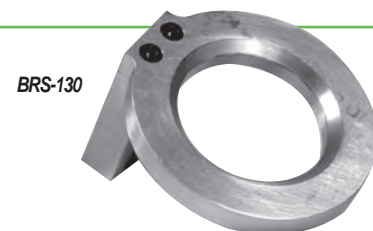
Universal Piston Pin Press-Out Tool

- Use with a shop press
- Top quality steel tooling
- Standard set handles most applications
- You can modify for individual needs



Description		Jobber	Order No.	Incl.
Piston Pin Extractor Kit		\$324.99	PPE-1	▼
Piston Support Fixtures	.800" hole	23.99	PPE-1A	x
	.865" hole	23.99	PPE-1F	x
	.950" hole	23.99	PPE-1B	x
	1.010" hole	23.99	PPE-1C	x
	1.010" hole	23.99	PPE-1D	x
	1.110" hole	24.99	PPE-1E	x
Fixture Base Block (4" x 4" x ¾")		\$41.99	PPE-1G	x
Pin Pressing Drifts	.760" dia.	19.99	PPE-1H	x
	.812" dia.	19.99	PPE-1J	x
	.875" dia.	19.99	PPE-1K	x
	1.000" dia.	19.99	PPE-1L	x
Tapped Handle		17.99	PPE-1M	x
Threaded Rod		8.99	PPE-1N	x
Threaded Adaptor		15.99	PPE-1P	x
Rod Support		18.79	PPE-1GM	x

Kit includes the rod support for tapered boss pistons



GOODSON Rod Support for Sunnen® Pin Press Tooling

- Remove late model connecting rods from tapered boss pistons
- Aluminum construction prevents connecting rod damage • Fits Sunnen® tooling
- Order No. **BRS-130** Jobber \$62.99



CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
CRANKSHAFT/
FLYWHEEL GRINDING
MISCELLANEOUS
TOOLS & SUPPLIES
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS



"All of the business I have done with Goodson has been excellent. My sales rep is very helpful, polite and courteous. My rating of her and your tech staff on a scale of 1 to 10 is a 12! Keep up the good work."

- Richard Stokes, Carquest, Winchester, Virginia, Goodson customer since 1990

Piston Installing Deadblow Hammer

- 1-piece design
- Specially formulated, urethane compound is cut and split resistant
- Convex-faced
- Non-mushrooming material
- Offset head
- Ideal for fast, mar-free piston installation
- Weighs 1.7 lbs./1.77 kg
- Order No. **PK-200**
Jobber \$59.99



Piston Ring Expander

- Remove & install most rings
- Tapered jaws
- 3/4" to 1/4" / 1.2mm to 6.35mm ring width
- Order No. **PRE-500**
Jobber \$14.99



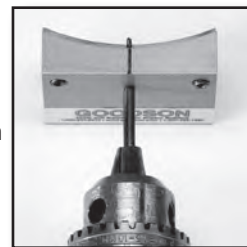
Band Ring Compressor Kits

- Install rings safely and easily • Hardened steel for durability
- Trigger ratchet mechanism for tight compressions

Description	Jobber	Order No.	Incl.
6 Pc. Band Ring Compressor Kit	\$59.99	GPS-98	▼
9 Pc. Band Ring Compressor Kit	114.99	GPS-99	▼
Compressing Pliers	22.99	GPS-98A	x x
Bands Range in. mm			
1.875" - 2.125"	47.63-53.98	GPS-98Q	
2.125" - 2.375"	53.98-60.33	GPS-98R	x
2.375" - 2.625"	60.33-66.68	GPS-98S	x
2.625" - 2.875"	66.68-73.03	GPS-98T	x
2.875" - 3.125"	73.03-79.38	GPS-98B	x x
3.125" - 3.375"	79.38-85.73	GPS-98C	x x
3.375" - 3.625"	85.76-92.08	GPS-98D	x x
3.625" - 3.875"	92.08-98.43	GPS-98E	x x
3.875" - 4.125"	98.43-104.78	GPS-98F	x x
4.125" - 4.375"	104.78-111.13	GPS-98G	x x
4.500" - 4.750"	114.30-120.65	GPS-98H	
4.750" - 5.000"	120.65-127.00	GPS-98I	
5.000" - 5.250"	127.00-133.35	GPS-98J	
5.250" - 5.500"	133.35-139.70	GPS-98N	

Gas Porting Tools for High Performance

- Virtually eliminate side ring clearance by drilling gas ports in your piston ring lands
- These tiny ports apply compression pressure directly to the back of the ring, pushing it against the cylinder wall with greater force while minimizing compression leakage
- Gas ports work best with piston-compression heights of 1.2" or less on engines running at high rpm (7,000 or higher)
- These simple Tool Kits take all of the guess-work out of gas porting and include everything you'll need to get started
- The complete kit includes:
Drill Fixture, Depth Bushing and one Drill Bit



US Patent No. US D617,664 S

Description	Size	Jobber	Order No.
Gas Porting Tool Kits	.043"	\$99.99	GPT-043
	.062" and 1.5mm	99.99	GPT-062
Replacement Drill Bits	.040" for GPT-043	7.99	GPT-040-DB
(5 pack)	.062" for GPT-062	7.99	GPT-062-DB

Minnesota Fast Freeze

- Instantly chills seats & guides to -50°F (-45.5°C) • Creates interference fit with heated aluminum heads • Finish seat and guide work faster than ever • Aerosol*
- Use on tight bushings, pins, shafts, etc.



Description	Jobber 1+	Jobber 6+	Order No.
Minnesota Fast Freeze	\$35.99	\$32.39	MFF-8

Order 6 or more to Save 10% off Jobber

*Hazardous Goods Fees Apply When Shipped by Air



Press Fit Lubricants

- A light coat eases press fit
- Ideal for valve guides, piston pins, cylinder sleeves, etc.
- Eliminates the scoring, gouging and galling of parts during press fitting



Description	Jobber 1+	Jobber 6+	Order No.
Goodson Aerosol 6 oz. (170 g)	\$12.99	\$11.69	PFL-200*
Sunnen® Aerosol 7 oz. (198 g)	19.99		B-200*
Sunnen® Brush Applicator 200 mL	27.99		B-200L*

*Hazardous Goods Fees Apply When Shipped By Air
Save 10% by buying 6 or more cans of PFL-200

Introduced in 2003!

Rod & Piston Work

American Made

The Original Goodson Powered Ring Filers

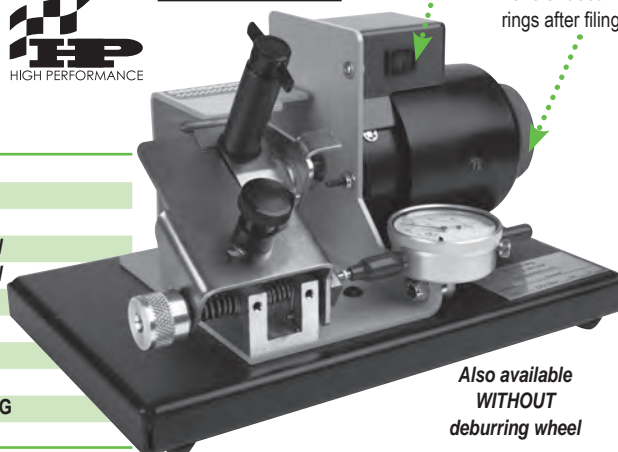
- No more tedious filing and checking and filing and checking to get desired end gap; set it once and cut multiple rings
- Easy to read integral dial indicator and positive ring stop make repeatable precision quick and easy
- Fits 2 1/2" to 5" / 63.5 to 127mm diameter rings
- Adjustable guide holds rings square to the cutting wheel
- Table pivots past cutting wheel
- No open ways to gather grinding dust that causes premature wear
- Handy knurled in-feed adjustment knob • High torque motor

Diamond Dresser is securely held in place by the ring clamping pin



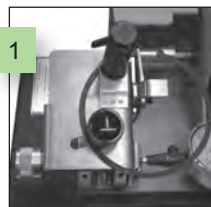
Lighted Rocker Switch

Built-in deburring wheel eliminates the need to hand hone or deburr rings after filing

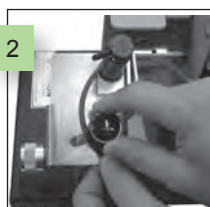


Also available WITHOUT deburring wheel

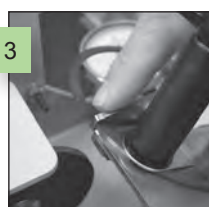
Description	Jobber	Order No.
Powered Ring Filer 110V / 60 cycle w/o Deburring Wheel	\$699.99	PRF-812
Powered Ring Filer 220V / 50 cycle w/o Deburring Wheel	729.99	PRF-822
Powered Ring Filer with Deburring Wheel 110V / 60 cycle	899.99	PRF-812DW
Powered Ring Filer with Deburring Wheel 220V / 50 cycle	969.99	PRF-822DW
Replacement Deburring Wheel	39.99	PRF-DW
2 1/2" Replacement Grinding Wheel (60 grit) for pre-2008 models	9.99	PRF-1001
3" Replacement Grinding Wheel (60 grit)	9.99	PRF-1002
Replacement Diamond Dresser	39.99	PRF-812D
Replacement Table Spring	24.99	PRF-SPRING
Sun-Dura® Canvas Machine Cover	29.99	GMC-PRF



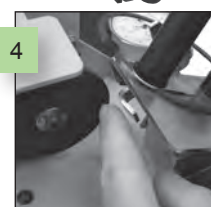
1 Stainless Steel Table



2 Eccentric adjusts quickly and easily



3 Positive ring stop



4 Table pivots past grinding wheel

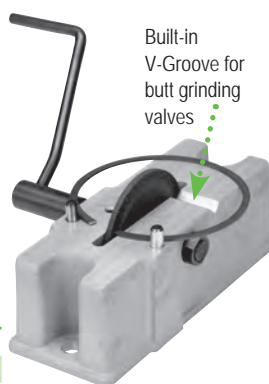


GMC-PRF

Manual Ring Grinder

- Produce end gap rings squarely
- Heavy duty aluminum casting
- Precisely machined for long life
- Aluminum-Oxide wheel holds shape and produces clean precise cuts
- Includes 1 grinding wheel (replacements available)
- Wheel measures 2 1/2" OD x 3/16" ID x 1/8" thick

Description	Jobber	Order No.
Piston Ring Grinder	\$99.99	PRF-250
Replacement Wheel	16.99	PRF-250W



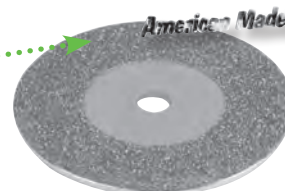
Built-in V-Groove for butt grinding valves



Manual Ring Grinder

- Universal design lets you grind almost any make, type or size of piston ring • Includes diamond abrasive wheel measuring 2" OD x 1/4" ID x 1/16" Thick

Description	Jobber	Order No.
Universal Piston Ring Filer	\$71.99	PRF-500
Replacement Diamond Abrasive Wheel	46.99	PRF-870-DW



American Made

Fine Abrasive Stick

- Radiused for easier ring deburring after end gapping
- 4" L x 1/2" radius / 101.6mm x 12.7mm
- Works on all types of rings
- Works on ring ID radii
- Order No. **RS-103**
- Jobber \$30.99



tech tips

from the techxperts™
Fine Abrasive
Sticks work great for deburring the ends of piston rings after filing, or any part that needs deburring. For a finer finish, soak the abrasive stick in Lapping Oil (LP-LO-4).

Stay Up-To-Date With Your Friends At Goodson!

We're On Social Media Are You?



Facebook



Twitter



Instagram



YouTube



Blog

... another
satisfied
customer

"Incredibly fast shipping. Great website and honest prices."
- Eddie Chadwick, Searcy, AR, Goodson customer since 2018

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

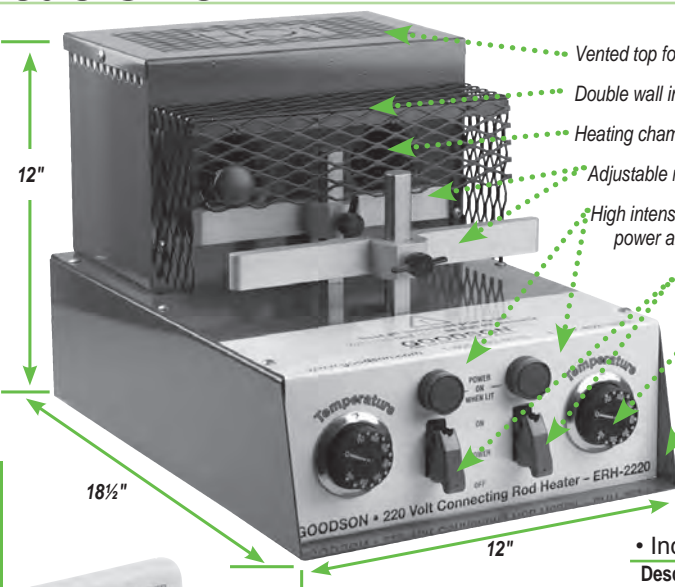
CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



ERH-TIMER



WorldwideShipping

American Made

- Vented top for better performance
- Double wall insulated heat chambers with safety screen covering
- Heating chamber opening measures 2 1/8" to fit standard eyes
- Adjustable rod supports to accommodate most automotive connecting rods
- High intensity LED lamps tell that elements have power and may be hot
- Toggle switches with flip-up covers to prevent accidental activation
- Elements operate on separate thermostats
- Powder-coated, heavy-gauge steel housing for long life
- Non-slip rubber feet provide stability

**Goodson
exclusive**

220V, Single-Phase Electric Rod Heater

- Includes a digital timer and 450° temperature crayon

Description	Jobber	Order No.	Incl.
220V, 50/60 Hz Single Phase Electric Rod Heater	\$1299.99	ERH-2220	▼
Digital Read-Out Timer (battery included)	21.99	ERH-TIMER	x
Replacement Toggle Switch (ea.)	19.99	ERH-SWITCH	
Replacement Toggle Switch Guard (ea.)	49.99	ERH-TSG	
Replacement Thermostat (ea.)	99.99	ERH-THERM	
Replacement Heater Coil (ea.)	89.99	ERH-COIL	
Replacement LED Light Assembly (ea.)	49.99	ERH-LED	
Replacement Bezel Knob (ea.)	16.99	ERH-KNOB	
Replacement Thumbscrew (ea.)	8.99	ERH-TST	
450° Melting Point Temperature Indicator Crayon	21.99	TIC-450	x
Piston Pin Installation Fixture	92.49	PIF-25	

American Made



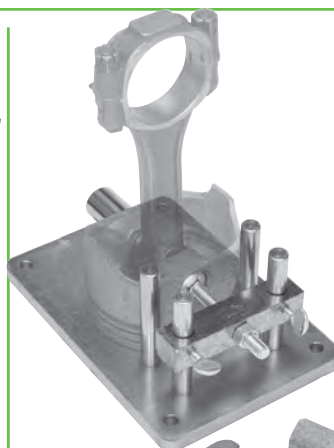
WorldwideShipping

Assemble
8 rods & pistons
in as little as
5 minutes

Propane Fired Rod Heater

- Needs no warm-up time – start assembling rods and pistons almost immediately
- Heats piston pin ends so fast the rest of the rod stays cool
- Minimal cool down time after assembly
- Ceramic lined enclosure contains flame to keep hands safe
- One knob controls the pilot and gas flow, another sets air flow for ideal combustion
- Burner lights easily with a striker (not included)
- No heat coils to burn out or circuitry to fail
- Includes one 600°F Temperature Crayon (see right)
- Propane model includes gas regulator and hose assembly
- Natural Gas model available, call for details**

Description	Jobber	Order No.
Rod Heater for Propane	\$1139.99	RH-50
600°F Temperature Crayon	21.99	TIC-600



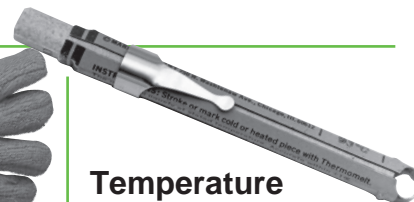
Piston Pin Installing Fixture

- Adjustable stops prevent over-centering rods
- Adjust the stop once and you're ready to assemble a full set of rods
- Base is pre-drilled to mount to a workbench
- Order No. **PIF-25**
Jobber \$92.49



Gauntlet Style Heat & Flame Resistant Gloves

- Heavy, lined red terry cloth
- 13 1/2" Long
- Safe to 450°F / 232.2°C
- Order No. **HFR-300**
Jobber \$34.99



Temperature Indicating Crayons

- Mark the workpiece before heating
- Melts when temperature is reached

Melting Point	Jobber	Order No.
450°F / 232.22°C	\$21.99	TIC-450
500°F / 260.00°C	21.99	TIC-500
600°F / 315.56°C	21.99	TIC-600



Rod Bolt Stretch Gauge

- Accurate to .001"
- Features a 1½" dial gauge
- Extra heavy-duty tension spring for repeatable accuracy
- For bolts from 1" to 2½" long
- See more information on rod bolt stretch on page 116

Description	Jobber	Order No.
Rod Bolt Stretch Gauge	\$79.99	RBSG-3
Optional Contact Point	11.99	ERBG-3T

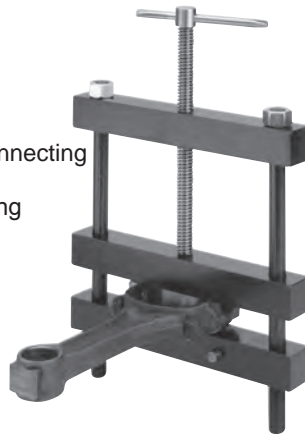


Rod Bolt Boots

- Plastic boots protect crank journals & rod bolts during piston installation
- Save crank journals from rod bolt damage
- Don't risk your reputation for quality
- Reusable
- Set of 16
- Order No. **RBP-16**
- Jobber \$7.99

Rod Clamping Vise

- Align rods and caps perfectly
- Smooth jaws won't damage connecting rods like an ordinary vise
- Clamp rods firmly to align parting faces while torquing rod bolts
- Clamp in a vise or bolt to a workbench
- Order No. **RCV-20**
- Jobber \$164.99



Heavy-Duty Rod Bolt Installing Block

- Mount universal block in a vise to support rod while installing bolts
- Hardened aluminum won't slip
- If the top wears, you can restore it with a file or belt grinder
- Ream holes larger to accommodate oversize bolts
- Order No. **RB-50**
- Jobber \$44.99



Connecting Rod not included

The best engine pre-lube tank in the industry!



8' long, ¼" diameter hose gives you lots of length to work with



Improved ON/Off Ball Valve



Built-in pressure gauge shows tank pressure



Patent-pending Filler Cap. Designed to safely release any pressure left in tank after draining.

10 Quart Engine Pre-Lube Tank

- 10 quart capacity is big enough for all but monster engines
- Corrosion-resistant aluminum tank eliminates contamination from rust • Large 1¾" diameter filler hole lets you pour oil right from the bottle - no funnel required • Includes 3 fittings (¼"x¼", ¼"x⅜" and GM LS-1) • Replacement Parts available

Description	Jobber	Order No.
10 Quart Pre-Lube Tank	\$279.99	EPL-110
Replacement 8' Hose	41.99	EPL-HOSE
LS1 Fitting	29.99	EPL-LS1
¼" Replacement Fitting	4.99	EPL-14
⅜" Replacement Fitting	4.99	EPL-18
Replacement Gauge	12.99	EPL-CG
Mini Ball Valve	15.99	EPL-MBV



CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
CRANKSHAFT/
FLYWHEEL GRINDING
MISCELLANEOUS
TOOLS & SUPPLIES
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS



"Technology has provided us with more efficient ways to give you, our customers, the quality of service you deserve! Our goal is to make ordering shop supplies faster & easier for you, whether you order by phone or through our website."

- Cheryl, Goodson IT/Order Fulfillment Manager - 26 years of service

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

Oil Gallery Plug Installer / Staker

- Set depth and lock plug in a single step
- Arbor nose aligns cup plug, then follows with two 180° staker lugs to set depth and lock oil gallery plug securely in place
- Use with Oil Gallery Plugs below
- Order No. **ST-SB**
Jobber \$51.99

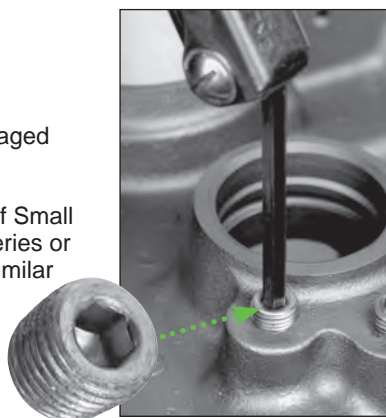


SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

Steel Oil Gallery Plugs

- Replace lost or damaged originals
- 1/4" pipe plugs
- For use at the rear of Small Block Chevy oil galleries or other engines with similar size plugs
- 25 per box
- Order No. **OP-250**
Jobber \$10.99



MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

dimensional
shipping

Oil Gallery Brushes

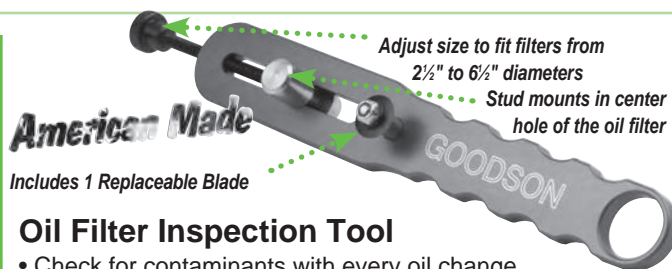
Steel Wire		Jobber 1+	Jobber 10+	Order No.	Incl.
3-pc. Kit	Size	Length	\$16.99	OGB-SK	▼
	1/4" x 3"	24"	7.99	OGB-1	x
	3/8" x 3"	24"	8.99	OGB-2	x
	5/8" x 3"	24"	9.99	OGB-3	x
Nylon Bristle					
5-pc. Kit	Size	Length	\$31.99	OGB-KIT	▼
	3/8" x 3"	34"	6.99	OGB-38	x
	1/2" x 2 1/2"	34"	6.99	OGB-42	x
	5/8" x 3"	34"	6.99	OGB-5	x
	3/4" x 3"	34"	7.99	OGB-7	x
	3/4" x 3"	40"	8.99	OGB-8	x

Buy 10 or more brushes (any combination), Save 10% off Jobber



100% Natural Oil Gallery Beeswax

- Preheat the part to be removed, apply wax to its base, allow to cool and remove the part
- 100% natural beeswax
- Measures 1" x 3/4" x 3" • Weighs 1 oz.
- Order No. **BWS-1** Jobber \$3.99



Oil Filter Inspection Tool

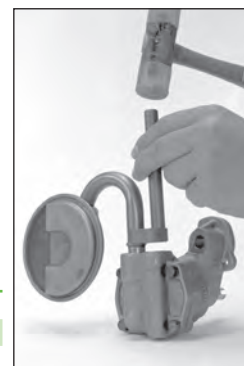
- Check for contaminants with every oil change
- Cut open the filter canister for inspection
- Fits 2 1/2" to 6 1/2" diameter filters
- Includes a single blade

Description	Jobber	Order No.
Oil Filter Inspection Tool	\$54.99	FIT-1-G
Replacement Cutter Blade	12.99	FIT-W

Oil Pump Pickup Tube Driver

- For all GM pumps
- Replace pickup tubes easily with a light mallet
- Driver grips the pickup tube flare
- Gives control for fast alignment and installation

Application	Tube OD	Jobber	Order No.
Small Block	5/8"/15.9mm	\$31.99	TI-25
Big Block	3/4"/19.1mm	31.99	TI-30



Oil Gallery Plug Removers

- Power plugs out with an impact wrench
- Threaded plug inside prevents bit from backing into the holder
- Hardened tool-steel holder with lifetime breakage guarantee (excludes bit)
- Tool-steel bit can be reground or replaced
- Set screw holds bit firmly in place
- 1/2" drive – fits your impact wrenches
- Do NOT use with a breaker bar or ratchet



Description	Size		Jobber	Order No.	Incl.
Plug Remover Kit	in	mm	\$174.99	PPS-KIT	▼
Replacement Tool	3/16"	4.76	39.99	PPS-187	x
Tool includes	1/4"	6.35	39.99	PPS-250	x
bit (except PPS-281)	5/32"	7.14	41.99	PPS-281*	x
	5/16"	7.94	39.99	PPS-312	x
	3/8"	9.53	39.99	PPS-375	x
Replacement Bits	3/16"	4.76	\$11.99	PPS-187B	
	1/4"	6.35	11.99	PPS-250B	
	5/16"	7.94	11.99	PPS-312B	
	3/8"	9.53	11.99	PPS-375B	

NOTE: *No bit is needed for PPS-281 (square socket).

... another
satisfied
customer

"Along with the slide hammer set, the lifter bore burnishing tool fixes tight lifter bores, even on assembled bottom ends quick and easy!! My last race motor build was going great until I noticed a few of my new lifters were real tight at the bottom of the bore.

This tool resized the bores fast and accurate even with the cam still in place. Due to the method of resizing, the entire block isn't contaminated with debris like a hone would do, and saves time and money."

- Grant Farmer, Grand Island, NY, Goodson Customer since 2018

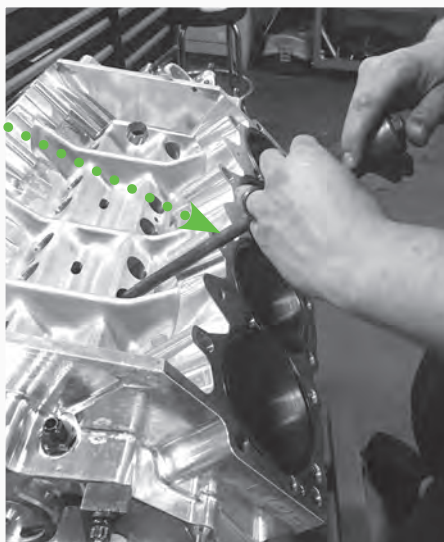


Photo courtesy Tim Wilkerson Racing

Lifter Bore Burnishing Tools

- Eliminate burrs caused by shot blasting
- Drive the burnishing tool into the bore with a soft hammer then slide-hammer it back out
- 60 Rc burnishing balls deburr and correct out of round lifter bores quickly and easily
- Won't oversize the bore
- High Performance Sets include a FREE storage case



Lifter Bore Burnishing Balls

Description	Jobber	Order No.	Includes
0.0625" High Performance Set	\$169.99	LBB-625-KIT	▼
1.0000" High Performance Set	169.99	LBB-1000-KIT	▼
Standard Burnishing Tool Set	169.99	LBB-1500	▼
14" Slide Shaft	14.99	GAO-1	x
15" Slide Shaft	19.99	LBB-1	x x
Slide Hammer	22.99	GAO-2	x x x
Lifter Bore Burnishing Balls			
0.8450" dia. (General Motors)	39.99	LBB-GM1	x
0.8760" dia. (Ford)	39.99	LBB-FO1	x
0.9060" dia. (Chrysler)	39.99	LBB-CR1	x
1.0000" dia.	59.99	LBB-1.000	x
1.0010" dia.	59.99	LBB-1.001	x
1.0625" dia.	59.99	LBB-1.0625	x
1.0635" dia.	59.99	LBB-1.0635	x
Jam Nut	8.99	LBB-NUT	x x x
Lifter Bore Brushes.			
7/8" (.875") dia.	7.49	LBB-875	
1" (1.00") dia.	8.99	LBB-100	x
1 1/8" (1.125") dia.	8.49	LBB-1125	x



Retainer for 6" Mandrel

Wedge for 6" Mandrel

Retainer for 6.75" Mandrel

Wedge for 6.75" Mandrel

Roughing or Finishing Stone

Truing Sleeve

Honall Head

6" Mandrel

Adaptor

6.75" Extended Mandrel



Sunnen® Lifter Bore Hones

- Restore bore size and finish after shot blasting
- Install oversize lifters for high-performance
- Stones work in cast iron bores or ones sleeved with brass or steel
- Wide stones contact a large area giving better stability for hand honing
- Cross oil ports without catching
- Wedge-type adjustment is a simple, positive way to expand or contract the stone to the precise size needed
- Use a 3/8" (9.5mm) or 1/2" (12.7mm) hand-held electric or air drill at approx. 200 RPM
- Use with honing oil
- **All parts MUST be ordered separately to make a complete unit**

tech tips
from the techxperts™

NOTE: Wedges may come with a tab that must be removed **BEFORE** using them with the P-180 Head

Description	Jobber	Order No
Honall Head	\$425.88	P-180
Adaptor	83.21	PAK20-A
Roughing Stone (280 Grit) 12/box	97.63	Y20-J67
Finishing Stone (400 Grit) 12/box	97.63	Y20-J87
Standard Lifter Bore Tooling (6" Reach)		
Mandrel .838" - .869" Range	\$420.64	AAY20838BH6LH
.869" - .900" Range	420.64	AAY20869BH6LH
Wedge	78.95	Y20-W-6LH
Retainer	48.10	LN-3688A-6LH
Truing Sleeve .838" - .869" Range	24.05	S-838
.869" - .900" Range	24.05	S-869
Extended Reach Lifter Bore Tooling (6 1/2" Reach)		
Mandrel .838" - .869" Range	\$420.64	AAY20838675LH
.869" - .900" Range	420.64	AAY20869675LH
Wedge	78.95	Y20-W-675LH
Retainer	48.10	LN-3688A675LH
Truing Sleeve .838" - .869" Range	24.05	S-838
.869" - .900" Range	24.05	S-869

Goodson is authorized to ship Sunnen products within the Western Hemisphere



Rod Honing Oil

- Includes additives for high pressure cutting
- Keeps stones clean and free-cutting during rod reconditioning, pin fitting and other honing applications
- Will mix with other honing oils (including Sunnen®)

Size	Jobber	Order No.
1 Gal. (3.78L)	\$ 35.99	RHO-10
5 Gal. (18.9L)	174.99	RHO-50

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

... another
satisfied
customer

"It's a pleasant surprise to deal with a company that obviously cares about customer service.
Your website was easy to use and order feedback assuring. Keep up the good work."
— Norm Cameron, St. Petersburg, FL, Goodson customer since 2017

CYLINDER HEAD
REBUILDING

CLEANING,
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BRAKE SERVICE
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MEASURING
TOOLS

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HARD PARTS



Universal Cam Bearing Tool

- Remove and install hundreds of sizes of cam bearings with just four mandrels!
- Expanding Mandrels cover a 1.370"-2.250" range
- Adjusts to under size bearings so you can remove and install them from virtually any block
- *Interchangeable with Dura-Bond*

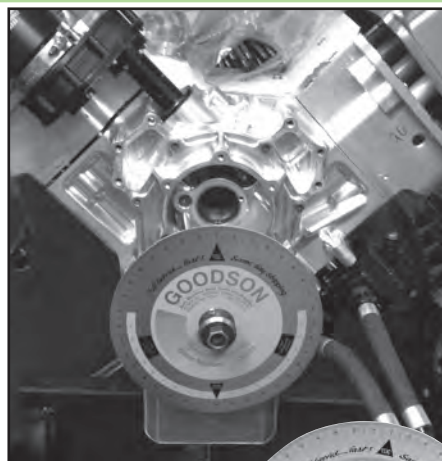
Description	Jobber	Order No.	Incl.
Universal Cam Bearing Tool	\$632.99	CBT-300	▼
Replacement Segment with Sleeve			
Max Dia. 1.370"	\$57.99	CBT-5M	x
1.682"	58.99	CBT-6M	x
1.875"	62.99	CBT-7M	x
2.250"	68.99	CBT-8M	x
Replacement Backing Plate			
Max Dia. 1.375"	\$15.99	CBT-5W	x
1.682"	17.99	CBT-6W	x
1.885"	18.99	CBT-7W	x
2.250"	19.99	CBT-8W	x
Replacement Neoprene Sleeve			
Max Dia. 1.370"	\$ 7.99	CBT-5NS	
1.682"	9.99	CBT-6NS	
1.875"	9.99	CBT-7NS	
2.250"	11.99	CBT-8NS	
Drivers			
Length 5" (pictured above)	\$ 54.99	CBT-1B	x
24"	108.99	CBT-2B	
36" (pictured above)	139.99	CBT-3B	x
48"	149.99	CBT-4B	
Miscellaneous Replacement Parts			
1.200" Expander with stud	\$58.99	CBT-3E	x
1½" Expander with stud	55.99	CBT-4E	x
½"x13 Stud	12.99	CBT-1S	x
3" Guide Cone	32.99	CBT-1C	x
Replacement Threaded Impact Cap	46.99	CBT-300-CAP	x
Steel Storage Rack	79.99	CBT-300-WR	x

INTERCHANGEABLE WITH DURA-BOND



Lifting Sling

- Lift up to 1800 lbs. safely and easily
- 1" x 36" looped nylon webbing sling
- Do NOT use with caustics or temperatures exceeding 190°F
- Order No. **LS-3** Jobber \$9.99



This is ... another
one of satisfied
those customer
MUST have tools for
the shop and trailer.
We have needed our
Goodson Degree wheel
at the track a few times
and in a few minutes we
are done and ready to
go! Thanks again great
equipment.
— Dean Dubbin, DMP
Awnings (NHRA Top
Alcohol Dragster),
Goodson customer
since 2010

Degree Wheel

- Check cam timing, duration and overlap
- Degree wheel measures 11" / 279.4mm dia. with 1½"/47.6mm hole
- Small ID Adaptor Kit mounts it to cranks using ¼" to ¾" fasteners or use the turning tool for that engine to mount the wheel
- Use with ½" drive ratchet

Wheel / Adaptors	Jobber	Order No.	Incl.
Automotive Degreeing Kit	\$44.99	DW-KIT-2	▼
Degree Wheel	29.99	DW-11	x
Small ID Adaptor Kit	18.79	DW-MK2	x

Bearing Scraper

- Eliminate bearing high spots after installation to ensure correct oil clearance
- Solid hardwood handle
- 4" / 101.6mm blade with 3 cutting edges
- German steel blade
- Order No. **BS-30**
Jobber \$26.99



Cam & Crank Grinding Coolant

- Semi synthetic
- Non-nitrite
- High-lubricity
- Dilute 20 parts water to 1 part coolant



Size	Jobber	Order No.
1 gallon (3.78L)	\$ 33.99	CGC-10
5 gallons (18.93L)	149.99	CGC-50

Whether you're regrinding cores for stock applications or custom grinding for diesel and high performance, you can count on Goodson Cam Grinding Wheels to deliver an excellent finish

Goodson abrasives are second to none. We work with our manufacturer to get you the most ideal grain that's bonded to be free-cutting, yet still shed before loading up. Our Premium wheels are ideal for steel high performance camshafts of 55 to 65 Rc and for Stellite overlays. Goodson finishes all Camshaft Grinding Wheels to your specifications in-house for faster turn-around and delivery. Choose from the sizes below or custom order your cam wheel today!



Cam Grinding Wheels - WAA54-L5V1 - 54 Grit

Diameter	Width	Arbor	Jobber	Order No.
18"	3/4"	19mm 6" 152mm	\$209.99	E341420
457mm	7/8"	22mm 6" 152mm	221.99	E335351
	1"	25mm 6" 152mm	226.99	E335352
	1 1/8"	29mm 6" 152mm	247.99	E335353
	1 1/4"	32mm 6" 152mm	247.99	E335354

Cam Grinding Wheels - 43A602-K8-V1 - 60 Grit

18"	3/4"	19mm 6" 152mm	204.99	E342030
457mm	7/8"	22mm 6" 152mm	209.99	E339945
	1"	25mm 6" 152mm	229.99	E342031
	1 1/4"	32mm 6" 152mm	249.99	E348558

Cam Grinding Wheels - 7BL801 - 80 Grit

18"	3/4"	19mm 6" 152mm	\$329.99	E416880
457mm	7/8"	22mm 6" 152mm	329.99	E427392

Due to the manufacturing process, actual colors may vary

Cam Grinding Wheels - WAA100 - 100 Grit

18"	3/4"	19mm 6" 152mm	\$239.99	E379225
457mm	7/8"	22mm 6" 152mm	244.99	E397667
	1"	25mm 6" 152mm	249.99	E416878
	1 1/4"	32mm 6" 152mm	289.99	E416183

Standard Goodson Cam Grinding Wheels - 100 Grit

18"	3/4"	19mm 6" 152mm	\$219.99	GCC 18 x 0.750 x 6
457mm	7/8"	22mm 6" 152mm	219.99	GCC 18 x 0.875 x 6
	1"	25mm 6" 152mm	224.99	GCC 18 x 1.000 x 6
	1 1/4"	32mm 6" 152mm	249.99	GCC 18 x 1.250 x 6

Due to the manufacturing process, actual colors may vary

Torque-Angle Indicator

- When torque is given as degrees of turn past a certain ft./lb., use this gauge to show degrees
- 1/2" square drive
- Hold metal base with one hand
- Plastic dial turns as you tighten
- Fits between a drive extension and the socket
- Order No. **TQR-4554**
Jobber \$21.99



Professional Measuring & Inspection Stand For Cranks & Cams

- Length adjusts up to 23" to fit journal spacing
- Rotate work to view or measure
- Solid aluminum frame with self-lubricating, corrosion and chemical-resistant wear surfaces
- Order No. **PMIS-30** Jobber \$124.99

Bore Washing Brushes

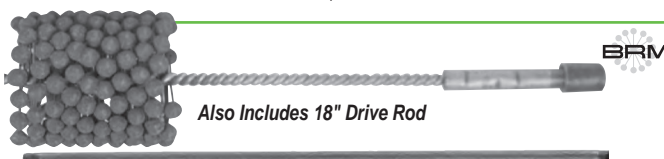
- Clean tunnel housing bores and full-annular grooved area
- Heavy, hand-driven shank



Bore Washing Brushes

Dia.	Length	Jobber 1+	Jobber 10+	Order No.
2"	36"	\$19.99	\$17.99	CBB-200
2 1/4"	36"	20.99	18.89	CBB-225
2 1/2"	36"	21.99	19.79	CBB-250
2 3/4"	18 1/2"	19.99	17.99	CWB-27W
3 1/2"	18 1/2"	19.99	17.99	CWB-35
4"	18 1/2"	21.99	19.79	CWB-40
4 1/2"	18 1/2"	22.99	20.69	CWB-45
5"	18 1/2"	24.99	22.49	CWB-50

Order 10 or more (mix or match) to Save 10% off Jobber



180 Grit Cam Bearing Flex-Hones®

- Silicon-Carbide globules laminated to high density nylon
- Includes 18" drive rod

Inch	mm	OAL	Jobber 1+	Jobber 3+	Order No.
1 3/4"	45	17 1/2"	\$54.99	\$49.49	CBF-175
2"	51	17 1/2"	56.99	51.29	CBF-200
2 1/4"	57	17 1/2"	57.99	52.19	CBF-225
2 1/2"	64	17 1/2"	59.99	53.99	CBF-250
2 3/4"	70	17 1/2"	61.99	55.79	CBF-275

Order 3 or more (mix or match) to Save 10% off Jobber

 CYLINDER HEAD
REBUILDING

 CLEANING,
ASSEMBLY & SAFETY

 SHORT BLOCK
REBUILDING

 CRANKSHAFT/
FLYWHEEL GRINDING

 MISCELLANEOUS
TOOLS & SUPPLIES

 BRAKE SERVICE
TOOLING

 MEASURING
TOOLS

 V-TWIN & METRIC
HARD PARTS

full service
...fast



"The Mach-B division of Goodson offers many services such as ANSI compliant speed testing, balance testing, grinding wheel shaping, resizing and more. Find out more at Mach-B.com."

- Jon, Goodson Production Manager, 39 years of service

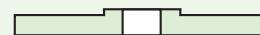
Goodson crankwheels are made-to-order in-house

Other sources stock finished wheels, which makes it virtually impossible to stock a full range of sizes. If they don't have what you need, they may charge more and delay your order for weeks. That's why Goodson makes every wheel to order. We always have the right wheel because we take a Type 1 straight wheel, size it, shape it, speed test it and ship it.

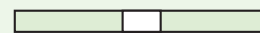
For future reference write down your

Crank Wheel Number (s)

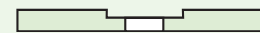
Select the shape



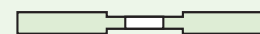
Hub



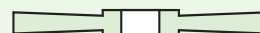
Straight



Recessed 1 Side



Recessed 2 Sides



Tapered

Select your wheel grade:

WAA Superior Grade - 54 grit
Excellent dimensional accuracy, corner radii and surface finish. For multiple applications including weld grinding. Ideal for grinding everything from cast iron to steel. Finishing and roughing wheel. Aluminum-oxide abrasive for light to medium stock removal.



GCH Superior Grade - 54 grit
Better form holding ability, cuts cooler and needs less dressing. Use on crank journals with Rockwell hardness of 35 Rc or less. Use on crankshafts of cast or forged steel, Nodular iron. Ideal for large radii, thrust and plunge grinding. Great for high-performance.



GCD Premium Grade - 60 grit
For harder materials. Good form holding ability; cuts cooler and needs less dressing. Grains yield faster, cooler grinding. Use on journals with Rockwell hardness of 35 Rc or more. Ideal for diesel, high-performance, industrial and billet steel.



Increase coolant flow with Crankwheel Slotting

Slotting facilitates the flow of coolant to the thrust and radius areas of the crankshaft to prevent journal burning. Highly recommended for high performance and diesel crankshafts. Don't waste time waiting on other suppliers who outsource their crankwheels for slotting - Goodson has a shop full of equipment, so we slot wheels in house! Order No. **SLOTTING Jobber \$75.00**

How to order:

If you have any questions, please call 1-800-533-8010

Grade	Diameter	Face Width	Arbor Size	Machine	Shape
WAA - Superior	Diameters are available from 18" to 36" in most grades.	Most sizes from 3/4" to 2 5/8" (custom widths are no extra charge).	Arbor size of your grinder. Any arbor hole from 3" to 12".	Identify the make and model of your grinder.	We send the standard shape for your grinder unless you specify otherwise.
GCD - Premium					
GCH - Superior					
CSS-ULTRA					

Enter your information below, then call Goodson at 1-800-533-8010 to order

Grade x Diameter x Face Width x Arbor Size x Machine x Shape

Please note, all wheels are delivered up to .015" oversize to allow for side dressing when mounting

Crankshaft Grinding Wheels



		WAA	GCH	GCD
Dia.	Face Width	Jobber	Jobber	Jobber
Fits Storm Vulcan 14, 15				
18"	¾"-1"	\$229.99	\$249.99	call
3" Arbor	1¼"-1½"	239.99	259.99	call
	1⅞"-1½"	259.99	399.99	call
	1⅞"-1¾"	269.99	439.99	call
	1⅞"-2"	279.99	459.99	call
Fits Storm Vulcan 15, 15 Special, 1550, 1648				
20"	¾"-1"	\$239.99	\$249.99	call
3" Arbor	1¼"-1½"	249.99	289.99	call
	1⅞"-1½"	259.99	399.99	call
	1⅞"-1¾"	269.99	439.99	call
	1⅞"-2"	279.99	459.99	call
Fits Kwik-Way / Lemco				
20"	¾"-1"	call	call	call
3¾" Arbor	1¼"-1½"	call	call	call
	1⅞"-1½"	call	call	call
	1⅞"-1¾"	call	call	call
	1⅞"-2"	call	call	call
Fits Kwik-Way / Lemco 539 & Storm Vulcan 15A (early)				
22"	¾"-1"	\$319.99	call	call
5" Arbor	1¼"-1½"	339.99	call	call
	1⅞"-1½"	339.99	call	call
	1⅞"-1¾"	509.99	call	call
	1⅞"-2"	509.99	call	call
Fits Peterson Berco 180				
22"	¾"-1"	call	call	call
8" Arbor	1¼"-1½"	call	call	call
	1⅞"-1½"	call	call	call
	1⅞"-1¾"	call	call	call
	1⅞"-2"	call	call	call
Fits Storm Vulcan 15A (late), 15A Special; RMC/Robbi REX-1200				
Fits Kwik-Way / Lemco KGA and NKG Series				
24"	¾"-1"	\$319.99	\$549.99	\$569.99
5" Arbor	1¼"-1½"	339.99	649.99	679.99
	1⅞"-1½"	369.99	659.99	749.99
	1⅞"-1¾"	479.99	669.99	799.99
	1⅞"-2"	499.99	699.99	829.99
Van Norman 438, 448, 460, 465;				
Winona Van Norman/Zanrosso CG-210 (early); Storm Vulcan Scledum 200				
24"	¾"-1"	\$399.99	499.99	\$589.99
8" Arbor	1¼"-1½"	479.99	599.99	659.99
	1⅞"-1½"	549.99	699.99	729.99
	1⅞"-1¾"	579.99	779.99	829.99
	1⅞"-2"	589.99	819.99	839.99
Storm Vulcan 15C				
25"	¾"-1"	\$389.99	\$489.99	\$629.99
5" Arbor	1¼"-1½"	409.99	529.99	679.99
	1⅞"-1½"	509.99	549.99	739.99
	1⅞"-1¾"	529.99	579.99	779.99
	1⅞"-2"	549.99	599.99	799.99
AMC K1100; Peterson Berco 180, 225; Scledum 200, 230; Van Norman 438, 448, 460, 465, 475, 476; Winona Van Norman CG-210 (late), CG-840				
26"	¾"-1"	\$409.99	\$559.99	\$589.99
8" Arbor	1¼"-1½"	439.99	629.99	679.99
	1⅞"-1½"	499.99	679.99	699.99
	1⅞"-1¾"	549.99	799.99	799.99
	1⅞"-2"	599.99	829.99	819.99
	2¼"-2¼"	call	949.99	859.99



		WAA	GCH	GCD
Dia.	Face Width	Jobber	Jobber	Jobber
Schou 1500/270, 1600, 260				
27½"	¾"-1"	call	call	call
8⅝" Arbor	1¼"-1½"	call	call	call
	1⅞"-1½"	call	call	call
	1⅞"-1¾"	call	call	call
	1⅞"-2"	call	call	call
	2¼"-2¼"	call	call	call
Peterson Berco 260; SV Scledum 230, 270/280; Zanrosso Mito 250;				
Van Norman 400, 438, 454, 475, 476, 666; RMC/Robbi REX-1500				
28"	¾"-1"	\$499.99	\$569.99	\$589.99
8" Arbor	1¼"-1½"	559.99	619.99	699.99
	1⅞"-1½"	569.99	749.99	779.99
	1⅞"-1¾"	599.99	799.99	829.99
	1⅞"-2"	619.99	829.99	849.99
	2¼"-2¼"	649.99	929.99	889.99
	2⅞"-2⅞"	call	call	949.99
Seest MC62				
30"	¾"-1"	call	call	call
6" Arbor	1¼"-1½"	call	call	call
	1⅞"-1¾"	call	call	call
	1⅞"-2"	call	call	call
Zanrosso Mito 280; Storm Vulcan Scledum 270/280;				
RMC / Robbi REX-1800, REX 2200L				
30"	¾"-1"	\$469.99	\$879.99	\$889.99
8" Arbor	1¼"-1½"	479.99	939.99	989.99
	1⅞"-1½"	529.99	1039.99	1089.99
	1⅞"-1¾"	589.99	1069.99	1209.99
	1⅞"-2"	699.99	1099.99	1219.99
	2¼"-2¼"	call	call	1239.99
	2⅞"-2⅞"	call	call	1249.99
AMC 1400, K1500, K1800; Van Norman 467, 477; Zanrosso				
32"	¾"-1"	\$589.99	\$879.99	\$889.99
8" Arbor	1¼"-1½"	619.99	939.99	989.99
	1⅞"-1½"	649.99	1039.99	1099.99
	1⅞"-1¾"	699.99	1089.99	1199.99
	1⅞"-2"	749.99	1099.99	1229.99
	2¼"-2¼"	call	call	1239.99
	2⅞"-2⅞"	call	call	1249.99
Peterson Berco 280, 300; RMC Robbi REX-1800RM; REX-2200, REX-2200RM, REX-2700RM, REX-3100RM				
32"	¾"-1"	call	call	call
12" Arbor	1¼"-1½"	call	call	call
	1⅞"-1½"	call	call	call
	1⅞"-1¾"	call	call	call
	1⅞"-2"	call	call	call
	2¼"-2¼"	call	call	call
	2⅞"-2⅞"	call	call	call
Peterson Berco 300, 350; Storm Vulcan Scledum 250; RMC / Robbi REX-2200M, 2700M, 3100M; Winona Van Norman 111				
36"	¾"-1"	\$669.99	call	\$1019.99
12" Arbor	1¼"-1½"	669.99	call	1069.99
	1⅞"-1½"	729.99	call	1219.99
	1⅞"-1¾"	729.99	call	1269.99
	1⅞"-2"	789.99	call	1349.99
	2¼"-2¼"	call	call	1399.99
	2⅞"-2⅞"	call	call	call

tech tips NOTE: All wheels are delivered up to .015" oversized to allow for side dressing when mounting the wheel



Ask us about resizing or reshaping your existing wheel!!

CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
CRANKSHAFT/
FLYWHEEL GRINDING
MISCELLANEOUS
TOOLS & SUPPLIES
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS



"We've continually expanding our production department to provide more flexibility in grinding wheel shapes and profiles. Give us a call when you need something special."

- James, Goodson Production, 1 years of service

Reluctor Ring Installation Jig



All steel construction features 2 indexing dowels to properly align the reluctor ring when installing it on the crankshaft. Designed to fit Generation III (LS1, LS6) and Generation IV (LS2, LS3, LS7) engines. Aligns GM sensor rings (12559353, 12586768). **US Patent No. 7,716,827.**

**Goodson
exclusive**



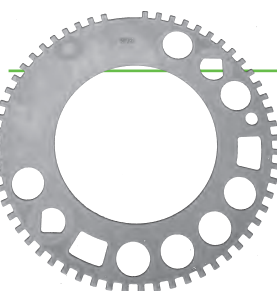
The 8mm indexing dowel is attached to the fixture by an exterior tang. It can be adjusted for depth to accommodate a variety of popular flange widths. This dowel fits into the only 8mm hole on the reluctor wheel.



The internal indexing dowel pin is designed to fit into the dowel pin hole on the crankshaft. It is adjustable to fit different depths. The combination of dowel pins gives very precise alignment of the reluctor wheel and crankshaft.

Description	Jobber	Order No.
Reluctor Ring Installation Tool	\$249.99	RRJ-350
Temperature Indicating Crayon (450° F/232°C)	21.99	TIC-450

Heat reluctor ring to 450°F (232°C) then slide it onto the casting. Be sure to deburr all components before beginning assembly. Any sharp edges will cause the reluctor ring to catch on the casting, making assembly impossible.



GM Steel 58 Tooth Reluctor Ring

- Single Piece Steel
- Fits LS2, LS3 & LS7
- Order No. **RR-58T**
- Jobber \$45.99



Callies 24 Tooth Billet Steel Reluctor Ring

- For LS1 & LS6 Engines
- Single Piece
- Order No. **RR-24T**
- Jobber \$124.99



Dampener Installer

- Install harmonic dampeners without thrust bearing damage
- Screw tool into hole in the crankshaft end
- Use the nut and thrust bearing to draw the harmonic dampener onto the crankshaft snout
- Fits $\frac{7}{16}$ " x 20" and $\frac{1}{2}$ " x 20" holes • 3 piece set
- Order No. **DIT-2**
- Jobber \$69.99



Elipitbur Tool

- Fastest, safest way to chamfer crank oil holes
- Simplify deburring and chamfering of angularly drilled holes on cylindrical surfaces
- Easily produces a chamfer of relative uniformity and depth
- Self-centering, spring loaded pilot
- Includes one replaceable blade
- For 30Rc or softer crankshafts

Description	Jobber	Order No.
Elipitbur Tool (1 blade included)	\$267.99	EBT-15
Replacement Blade	41.99	EBT-15B
Replacement Pilot	79.99	EBT-15N



Create a relief in the block for rod #2 at the pan rail area using your normal process.



Place the arbor in main saddles 1 & 2, keeping the flange nearest to the pointer against #2.



Rotate the arbor and adjust the pointer until the tapered end passes freely through the relief with a minimum of clearance.



Lock the pointer in position with the set screw and check the clearance.



Once satisfied, scribe a line on the pointer opposite the set screw.

**Must use when
building a Stroker
Engine!**

Stroker Mimic™

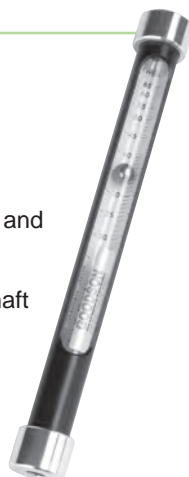
- Lightweight and easy to use
- Eliminates the need to repeatedly install and remove the crankshaft, pistons, the rod assembly and the necessary bearings when clearancing a block for a stroker crank
- Once the Stroker Mimic™ has been set to a particular crank, rod and piston combination, the tool can be marked or measured for future reference



Description	Jobber	Order No.
Stroker Mimic™ Fixture for 350 Blocks	\$99.99	SM-350
Replacement Pointer for SM-350	33.99	SM-351

Hardness Tester

- Calculate Rockwell Hardness quickly and accurately
- Range: 15 to 65 Rockwell on C-Scale
- Features a steel ball of precise weight and shape which is dropped from an exact height to yield an accurate Rc reading
- Check overheated or repaired crankshaft journals to confirm correct hardness
- Also use on flywheels
- Weighs just 4 oz. • 9¼" long
- Includes case & instructions
- Order No. **HT-45RC** Jobber \$249.99



Hand-Held Dressing Sticks

- Keep your crankshaft grinding wheels cutting clean

GG-112

DS-NOR

Hard Silicon-Carbide

- 1" x 1" x 6"
- Use to deglaze wheel side
- Removes material with light pressure
- Order No. **GG-112** Jobber \$19.99

Dense Granular Norbide

- ¾" x ½" x 3" • Long lasting
- For fine tuning radius and side relieving wheels
- Order No. **DS-NOR** Jobber \$67.99

Plastigage

- Accurately measure bearing clearance
- Color coded by size
- Put a piece on rod or main bearing and torque the cap
- Remove and inspect – width of crushed Plastigage shows clearance
- Use at the workbench or in the vehicle
- 10 per pack

Clearance Range	Jobber	Order No.
.001" to .003" (.025 to .076mm)	\$21.99	PG-GREEN
.002" to .006" (.051 to .152mm)	21.99	PG-RED
.004" to .009" (.102 to .229mm)	21.99	PG-BLUE
10pk. Assortment : 5 Green, 3 Red, 2 Blue	21.99	PG-10PK



Crankshaft Straightening Peening Tool

- Designed for narrow journals on some new-style V6 crankshafts
- Peen crankshafts in the radius area of damaged journals to straighten
- Long-shank
- Offset-radius face
- 10" long • 0.0625" radius
- 0.125" diameter

Description	Jobber	Order No.
Peening Tool	\$49.99	CPT-062
Safety Glasses	5.99	PGL-21



tech tips
from the techxperts™
Stay Safe In
The Workplace!
Always wear protective gear.



Crankshaft Journal Radius Gauge

- 16 radii ... 1/32" to 17/64"
- Measure radii of reground journals quickly
- Blades are clearly marked in 1/64" increments
- Use in holder or remove to use blades separately
- Order No. **RG-16** Jobber \$44.99

Stroke Checker

- Accurately measure strokes up to 6"
- Works with any precision caliper to accurately measure crankshaft strokes
- Measures strokes up to 6" with an accuracy of .001"
- Rigid, hard-anodized aluminum frame is fully adjustable
- Fits almost any crankshaft
- Order No. **CSG-1** Jobber \$183.99

See page 121 for our selection of calipers



Heavy Duty Steel Stamps

- For hard materials
- Order in sets

Number Sets			
Figure	Shank	Jobber	Order No.
1/8"	5/16"	\$46.99	SFH-1/8
3/16"	3/8"	51.99	SFH-3/16

Special and custom orders are available, call 1-800-533-8010

Crankshaft Grinder Steady Rest Shoes for Peterson-Berco

- 5/16" thick
- Use same shoe for upper and lower replacement
- Order No. **RBE-200** Jobber \$25.99

Starrett®

Universal 12"L Quick-Set Crankshaft Grinder Dial Indicator

- 3/8" diameter shaft • 12" long
- .125" travel, .050" per revolution
- Rotating, lockable bezel graduated in .001" from -.025" to + .025"
- Order No. **MDI-12** Jobber \$399.99

More Dial Indicators on page 121



Goodson exclusive

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



"We make most of our abrasive belts in-house now. So if you need a different size belt than what you see in the catalog, give us a call. Let us make a custom belt for you."

- Dennis, Lead Abrasive Industrial Supplies Belt Technician, 1 year of service

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

SAVE 10% off jobber!

Order 5 or more boxes of crank polishing belts (any combination)



240, to 600 Grit Premium Ruby Aluminum-Oxide Crankshaft Polishing Belts

- Specifically for use on metal
- Closed coat J-weight cloth backing
- High strength mylar joint
- Phenolic resin-over-resin bond
- Ruby Aluminum-Oxide abrasive
- Polish better and outlast other standard polishing belts
- Color may vary due to manufacturing process



Goodson Crankshaft Polishing Belts Are Made In-House

Custom widths and lengths are easy!
Order as few as one if that's all you need.



STRAIGHT-EDGE (10 per box)							
L	W	Jobber 1+	Jobber 5+	240 Grit	320 Grit	400 Grit	600 Grit
60"	3/4"	\$29.99	\$26.99	R60x3/4x240	R60x3/4x320	R60x3/4x400	R60x3/4x600
	1"	32.99	29.69	R60x1x240	R60x1x320	R60x1x400	R60x1x600
	1 1/4"	34.99	31.49	R60x1 1/4x240	R60x1 1/4x320	R60x1 1/4x400	R60x1 1/4x600
	1 1/2"	36.99	33.29	R60x1 1/2x240	R60x1 1/2x320	R60x1 1/2x400	R60x1 1/2x600
	1 3/4"	39.99	35.99	R60x1 3/4x240	R60x1 3/4x320	R60x1 3/4x400	R60x1 3/4x600
64"	2"	41.99	37.79	R60x2x240	R60x2x320	R60x2x400	R60x2x600
	3/4"	31.99	28.79	R64x3/4x240	R64x3/4x320	R64x3/4x400	R64x3/4x600
	1"	33.99	30.59	R64x1x240	R64x1x320	R64x1x400	R64x1x600
	1 1/4"	35.99	32.39	R64x1 1/4x240	R64x1 1/4x320	R64x1 1/4x400	R64x1 1/4x600
	1 1/2"	37.99	34.19	R64x1 1/2x240	R64x1 1/2x320	R64x1 1/2x400	R64x1 1/2x600
72"	1 3/4"	40.99	36.89	R64x1 3/4x240	R64x1 3/4x320	R64x1 3/4x400	R64x1 3/4x600
	2"	42.99	38.69	R64x2x240	R64x2x320	R64x2x400	R64x2x600
	3/4"	31.99	28.79	R72x3/4x240	R72x3/4x320	R72x3/4x400	R72x3/4x600
	1"	34.99	31.49	R72x1x240	R72x1x320	R72x1x400	R72x1x600
	1 1/4"	36.99	33.29	R72x1 1/4x240	R72x1 1/4x320	R72x1 1/4x400	R72x1 1/4x600
77"	1 1/2"	39.99	35.99	R72x1 1/2x240	R72x1 1/2x320	R72x1 1/2x400	R72x1 1/2x600
	1 3/4"	42.99	38.69	R72x1 3/4x240	R72x1 3/4x320	R72x1 3/4x400	R72x1 3/4x600
	2"	45.99	41.39	R72x2x240	R72x2x320	R72x2x400	R72x2x600
	3/4"	33.99	30.59	R77x3/4x240	R77x3/4x320	R77x3/4x400	R77x3/4x600
	1"	36.99	33.29	R77x1x240	R77x1x320	R77x1x400	R77x1x600
	1 1/4"	38.99	35.09	R77x1 1/4x240	R77x1 1/4x320	R77x1 1/4x400	R77x1 1/4x600
	1 1/2"	41.99	37.79	R77x1 1/2x240	R77x1 1/2x320	R77x1 1/2x400	R77x1 1/2x600
	1 3/4"	44.99	40.49	R77x1 3/4x240	R77x1 3/4x320	R77x1 3/4x400	R77x1 3/4x600
	2"	47.99	43.19	R77x2x240	R77x2x320	R77x2x400	R77x2x600

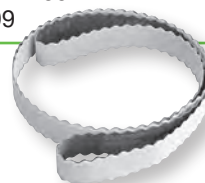
All abrasives are guaranteed for 1 year from the original purchase date

Micro Finish Scotch-Brite Style Abrasive Rolls



- Ideal for hand polishing of high-performance crankshafts
- Non-directional polish
- Won't remove material
- Aluminum oxide abrasive
- Measures: 3/4"x10' • 1 Per Box
- Order No. **GFR-750**
- Jobber \$29.99

Premium Ceramic Micro Polishing Belts



- Use with Polishing rouge to achieve high luster finish
- Structured Abrasive • 5 per box

Size (LxW)	Jobber	Order No.
60" x 1"	\$39.99	GSW-60x1
64" x 1"	39.99	GSW-64x1
72" x 1"	41.79	GSW-72x1
77" x 1"	53.99	GSW-77x1
Polishing Rouge	12.99	CPR-16

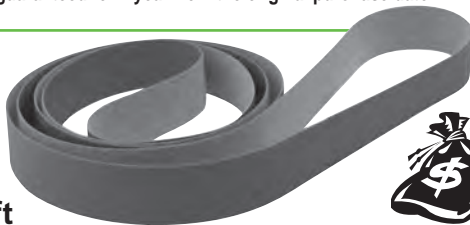
Crankshaft Polishing Belt Sample Pack

These sample packs include our most popular belts.

Long	Wide	Qty.	Jobber	Order No.
64"	1"	5	\$21.99	PCP-64PAK
72"	1"	5	21.99	PCP-72PAK
72"	2"	2	21.99	PCP-72PAK-2

Blue 800 Grit Crankshaft Polishing Belts With Scrum Back

- Film substrate with aluminum-oxide abrasive
- 10 belts per box
- Mylar joint with scrum back
- Highly flexible and long lasting

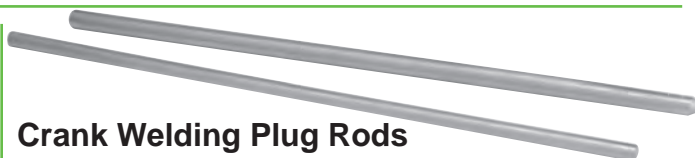


Size	Jobber	Order No.
60" x 3/4"	\$29.99	BF-60X3/4X800
60" x 1"	31.99	BF-60X1X800
64" x 3/4"	29.99	BF-64X3/4X800
64" x 1"	47.99	BF-64X1X800
72" x 3/4"	44.99	BF-72X3/4X800
72" x 1"	53.99	BF-72X1X800
77" x 1"	53.99	BF-77X1X800

Crank Welding Plug Rods

- 3 diameters available
- Each rod is 12 1/2" long and cuts off easily
- Sharpen ends with your existing pencil sharpener
- 5 Crank Welding Plug Rods per pack

Size	Jobber	Order No.
.250"	\$15.79	CWPR-250
.312"	15.79	CWPR-312
.375"	15.79	CWPR-375



Crankshaft Polishing Belts

10 Belts
Per Box

240, 320 & 400 Grit Standard Polishing Belts

- US CAMI Grade aluminum-oxide abrasive
- 2-layer glue bond • Fast break-in
- Use with Polishing Rouge (**CPR-16**) for better finish
- Highly flexible J-Weight cloth backing
- Less aggressive belts for polishing

Now With
Even More
Selection!



STANDARD STRAIGHT-EDGE (10 per box)

Lgth	Width	Jobber	240 grit	320 grit	400 grit
60"	3/4"	\$28.99	60x3/4x240	60x3/4x320	60x3/4x400
	1"	29.99	60x1x240	60x1x320	60x1x400
	1 1/4"	35.99	60x1 1/4x240	60x1 1/4x320	60x1 1/4x400
	1 1/2"	37.99	60x1 1/2x240	60x1 1/2x320	60x1 1/2x400
	1 3/4"	39.99	60x1 3/4x240	60x1 3/4x320	60x1 3/4x400
64"	2"	42.99	60x2x240	60x2x320	60x2x400
	3/4"	27.99	64x3/4x240	64x3/4x320	64x3/4x400
	1"	37.99	64x1x240	64x1x320	64x1x400
	1 1/4"	36.99	64x1 1/4x240	64x1 1/4x320	64x1 1/4x400
	1 1/2"	38.99	64x1 1/2x240	64x1 1/2x320	64x1 1/2x400
70"	1 3/4"	40.99	64x1 3/4x240	64x1 3/4x320	64x1 3/4x400
	2"	42.99	64x2x240	64x2x320	64x2x400
	3/4"	33.99	70x3/4x240	70x3/4x320	70x3/4x400
	1"	35.99	70x1x240	70x1x320	70x1x400
	1 1/4"	37.99	70x1 1/4x240	70x1 1/4x320	70x1 1/4x400
72"	1 1/2"	39.99	70x1 1/2x240	70x1 1/2x320	70x1 1/2x400
	1 3/4"	41.99	70x1 3/4x240	70x1 3/4x320	70x1 3/4x400
	2"	43.99	70x2x240	70x2x320	70x2x400
	3/4"	32.99	72x3/4x240	72x3/4x320	72x3/4x400
	1"	37.99	72x1x240	72x1x320	72x1x400
77"	1 1/4"	38.99	72x1 1/4x240	72x1 1/4x320	72x1 1/4x400
	1 1/2"	40.99	72x1 1/2x240	72x1 1/2x320	72x1 1/2x400
	1 3/4"	42.99	72x1 3/4x240	72x1 3/4x320	72x1 3/4x400
	2"	44.99	72x2x240	72x2x320	72x2x400
	3/4"	36.99	77x3/4x240	77x3/4x320	77x3/4x400
	1"	38.99	77x1x240	77x1x320	77x1x400
	1 1/4"	40.99	77x1 1/4x240	77x1 1/4x320	77x1 1/4x400
	1 1/2"	42.99	77x1 1/2x240	77x1 1/2x320	77x1 1/2x400
	1 3/4"	44.99	77x1 3/4x240	77x1 3/4x320	77x1 3/4x400
	2"	46.99	77x2x240	77x2x320	77x2x400

All abrasives are guaranteed for 1 year from the original purchase date

SAVE 10% off jobber!

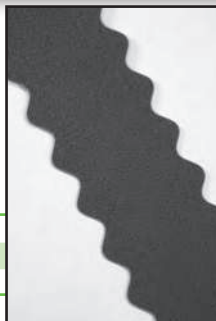
Order 5 or more boxes of crank polishing belts (any combination)



Standard Scalloped Edge Crankshaft Polishing Belts

- 10 per box • 320 grit • 1" wide
- Ideal for radius polishing
- Double layer urea glue bond CAMI grade polishing belts

Length	Jobber 1+	Jobber 5+	Order No.
64"	\$36.99	\$33.29	S64x1x320
72"	38.99	35.09	S72x1x320



Fine Finish

- Gold Aluminum-oxide • Flexible, woven blue backing • **Very** aggressive
- Phenolic Resin-Over-Resin bond
- Sharper grains cut faster without sacrificing finish • Use with Grind Aid (**GRA-10**) or Polishing Rouge (**CPR-16**) for cooler polishing or grinding



Fine Finish (10 per box)

Length	Width	Jobber	320 grit	Jobber	400 grit
60"	1"	\$39.99	G-60x1x320	\$39.99	G-60x1x400
64"	1"	41.99	G-64x1x320	41.99	G-64x1x400
72"	1"	44.99	G-72x1x320	44.99	G-72x1x400
77"	1"	47.49	G-77x1x320	47.49	G-77x1x400

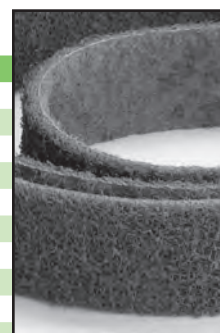
Scotch-Brite Style Micro Finish

- Rigid, 3-dimensional back • Resin bond • Aluminum-oxide abrasive • Non-directional Satin finish
- Use with Grind Aid (**GRA-10**)



Micro-Finish (1 per box)

Length	Width	Jobber	Order No.
60"	3/4"	\$25.99	GFB-60 x 3/4
	1"	25.99	GFB-60 x 1
64"	3/4"	26.49	GFB-64 x 3/4
	1"	26.99	GFB-64 x 1
70"	3/4"	27.99	GFB-70 x 3/4
	1"	27.99	GFB-70 x 1
72"	3/4"	28.49	GFB-72 x 3/4
	1"	28.99	GFB-72 x 1
77"	1"	29.99	GFB-77 x 1
	91"	33.99	GFB-91 x 1



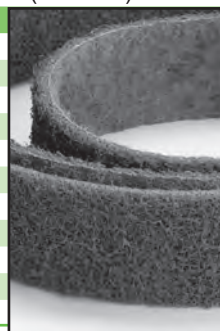
Scotch-Brite Style Super-Micro Finish

- Produces a mirror-like non-directional finish
- Resin bond • Silicon-Carbide abrasive
- For final Satin finish • Use with Grind Aid (**GRA-10**)



Super-Micro Finish (1 per box)

Length	Width	Jobber	Order No.
60"	3/4"	\$25.49	SGFB-60 x 3/4
	1"	25.49	SGFB-60 x 1
64"	3/4"	26.49	SGFB-64 x 3/4
	1"	26.99	SGFB-64 x 1
70"	3/4"	28.49	SGFB-70 x 3/4
	1"	27.99	SGFB-70 x 1
72"	3/4"	29.49	SGFB-72 x 3/4
	1"	29.99	SGFB-72 x 1
77"	3/4"	29.49	SGFB-77 x 3/4
	1"	29.99	SGFB-77 x 1



Abrasive Cork Super-Fine Finish

- Won't disturb polished radii
- Silicon-carbide • Use with Polishing Rouge (**CPR-16**) for High Luster finish



Abrasive Cork (1 per box)

Length	Width	Jobber	Order No.
64"	3/4"	\$14.99	CPB-64-3/4
	1"	14.99	CPB-64-1
70"	3/4"	14.99	CPB-70-3/4
	1"	14.99	CPB-70-1
72"	3/4"	14.99	CPB-72-3/4
	1"	14.99	CPB-72-1
77"	3/4"	14.99	CPB-77-3/4
	1"	14.99	CPB-77-1



Need A Size You Don't See? Give Us A Call; We Make Most Belts In-House!

Secure Online Ordering at www.goodson.com

CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
CRANKSHAFT/
FLYWHEEL GRINDING
MISCELLANEOUS
TOOLS & SUPPLIES
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS



"If you're not sure what to order or if you have any questions, give us a call! We're here weekdays from 8am to 5pm Central Time, to serve you. We can help you get the most from our products and your equipment."

- Chris, Goodson ASE-Certified Master Machinist, 34 years of service

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

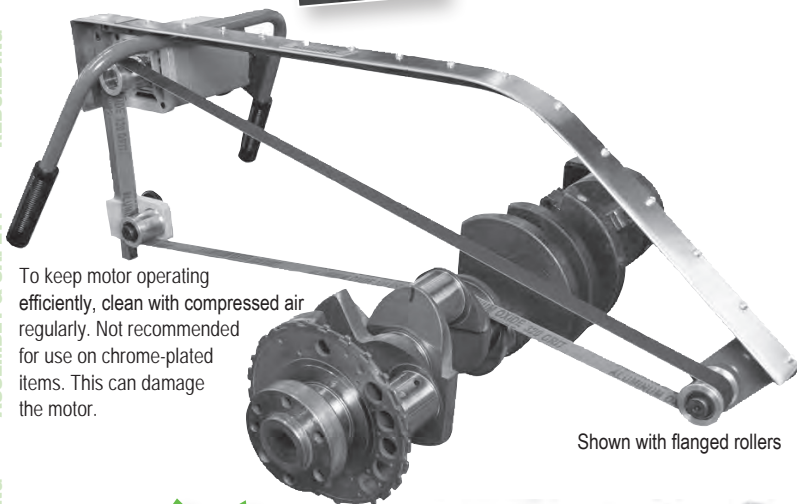
CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



To keep motor operating efficiently, clean with compressed air regularly. Not recommended for use on chrome-plated items. This can damage the motor.

Shown with flanged rollers

Includes 5 of our most popular 72" Belts (PCP-72PAK)

American Made

tech tips from the techexperts™ Extend the life of your polishing belts by releasing the tension when not in use.



PCP-2S



PCP-2D



PCP-2



PCP-2-EA



PCP-2F

72" 110V Crankshaft Polisher

- Flex resistant steel frame
- Weighs 15 lbs. (6.8 kg)
- Crowned rollers keep snug belt running true
- 1" nominal = 1.625"
- 2" nominal = 2.625"
- 1/2 HP motor designed for high RPM not heavy loads
- Specify flanged or unflanged rollers when ordering
- 110V, 60Hz Motor

Roller Width						
Nominal	Actual	HP	Max. RPM	Jobber	Order No.	
1 1/2" 25mm	1.625" 41mm	1/2	10,000	\$1099.99	PCP-1072	
2" 51mm	2.625" 67mm	1/2	10,000	1199.99	PCP-1072-2	
Replacement Parts and Rollers					Includes	
Flanged Roller Sets	1"			\$164.99	PCP-1	▼
(3 piece set)	2"			207.99	PCP-2	▼
Unflanged Roller Sets	1"			189.99	PCP-1S	▼
(3 piece set)	2"			199.99	PCP-2S	▼
Flanged Drive Roller	1"			54.99	PCP-1D	1
Fits 3/8" shaft - 1 ea.	2"			59.99	PCP-2D	1
Flanged Roller Assembly	1"			64.99	PCP-1F	2
3/8" x 16 thread - 1 ea.	2"			74.99	PCP-2F	2
Unflanged Roller Assembly	1"			79.99	PCP-1-1EA	2
3/8" x 16 thread - 1 ea.	2"			74.99	PCP-2-EA	2
Bearing - 1 ea.				14.99	PCP-BRG	
Replacement Switch				25.99	PCP-SWITCH-72	
Replacement 110V, 60Hz Motor (square housing)				649.99	PCP-MOTOR-72S	
Replacement Motor Brush Set (also fits 220V)				34.99	PCP-BRUSH-72S	
Retrofit Motor Adaptor (round to square housing)				69.99	PCP-RFK	
Replacement Motor Brush Set (round housing)				34.99	PCP-BRUSH-72	

Crankshaft Polishing Starter Kit

Includes 1 each of:

- Grind Aid,
- Polishing Rouge,
- Abrasive Dresser and
- 5-Pack of our most popular 72" belts
- Order No. **CP-KIT** Jobber \$57.99



Grind Aid

- Cools and lubricates
- Reduces loading-up and grain fracturing
- Belts produce a better finish and last up to twice as long
- Use only on cloth-back belts such as those shown on pages 98 & 99
- Order No. **GRA-10** Jobber \$17.99



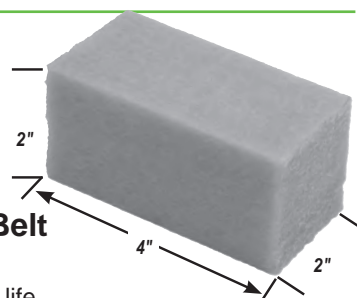
Polishing Rouge

- Produces high luster finish
- Use with light pressure, for cork or fine grit polishing to finish crank journals perfectly
- Hard, dry compound becomes viscous with heat
- White • 16 oz. / 454 g
- Order No. **CPR-16** Jobber \$12.99

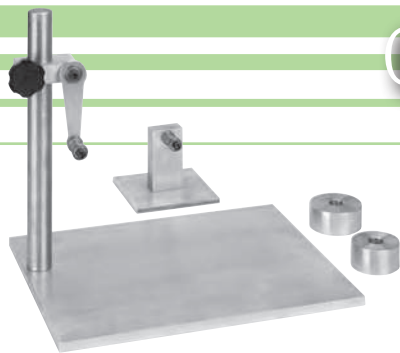


Natural Rubber Abrasive Belt Dresser

- Prolongs belt life
- Hold at 45° angle on moving belt to remove foreign material
- Restores cutting ability of grains
- 2" x 2" x 4" / 51 x 51 x 102mm
- Order No. **ACB-224** Jobber \$8.99



Crankshaft & Flywheel Tools



Rod Balancing Stand

- Ideal for static balancing parts
- Also use to weigh rotating and reciprocating masses and record the information for dynamic balancing
- Heavy-duty steel construction
- Includes 1-2" (50.8mm) and 1-2.3" (58.4mm) support discs
- Height adjustment accommodates different rod sizes
- Order No. **BS-201** Jobber \$257.99



6100 Gram Balancing Scales

- Scales feature automatic tare weight correction
- 1.0 Gram / 0.100 Ounce increments
- Operates on 9V battery (not included) or 110V converter (included) • Low battery indicator
- Order No. **BS-6100** Jobber \$599.99

Pin Pal Puller

- Remove dowels fast
- Adjusts to pull all sizes of dowels
- Locking pliers with special hardened jaws hold firm while 4 lb. slide hammer forces dowels out
- Also pulls pressed-in hollow tubes or frozen shafts
- Rugged steel construction



Description	Jobber	Order No.
Complete Tool	\$349.99	GA-300
Replacement Jaws	97.99	GA-300E-R

Mirrored Safety Glasses

- Wrap-around design
- Tinted lenses provide sun glare protection
- Universal bridge
- Polycarbonate lenses
- Do not use as welders helpers
- Order No. **PGL-21** Jobber \$5.99



Heavy Metal

An essential component when balancing rods & pistons to crankshafts to ensure proper engine operation. Contains 90% Tungsten



HEAVY METAL - TUNGSTEN 90%							
Hole in	Press Fit + in/mm	1.0" Long			1.2" Long		
		Grams	Jobber	Order No.	Grams	Jobber	Order No.
1/2"	.002"/.05	57	\$21.99	HM-57	65	\$29.99	HM-72
3/4"	.002"/.05	122	26.99	HM-122	147	31.99	HM-162
7/8"	.002"/.05	169	36.99	HM-169	198	42.99	HM-198
1"	.002"/.05	227	49.99	HM-227	265	56.99	HM-265

NOTE: Due to market fluctuations, heavy metal prices are subject to change without notice. Please confirm pricing when ordering.

tech tips

from the techxperts™

It is essential, when pulling a dowel, that the tightening sleeve is installed with the flared end toward the collet. This will allow the tightening sleeve to slide over the collet, locking it to the dowel you are removing. Also, be sure to select the correct collet size for the dowel you are removing.

Dowel Puller and Collets

- Slide hammer action removes stubborn dowels
- Use on blocks, heads, flywheels, etc.
- Split collets grip firmly without causing damage
- A high-quality tool that lets you reuse dowel pins
- Choose from SAE or Metric kits
- All items also sold separately



Description	Jobber	Order No.	Incl.
Standard Kit	\$189.99	GA-600	▼
Metric Kit	189.99	GA-600M	▼
Slide Shaft (14" L)	14.99	GAO-1	x x
Slide Hammer	22.99	GAO-2	x x
Tightening Sleeve	36.99	GAO-3	x x
Gripping Collets			
OD	ID	mm	
1"	.1575"	4.00	\$34.99 GAO-22 x
1"	.1875"	4.76	34.99 GAO-4
1"	.1969"	5.00	34.99 GAO-13 x
1"	.2362"	6.00	34.99 GAO-14 x
1"	.2500"	6.35	34.99 GAO-5 x
1"	.2756"	7.00	34.99 GAO-26
1"	.3125"	7.94	34.99 GAO-6 x
1"	.3150"	8.00	34.99 GAO-10 x
1"	.3750"	9.53	34.99 GAO-7 x
1"	.3937"	10.00	34.99 GAO-23
1"	.4375"	11.11	34.99 GAO-8 x
1"	.4724"	12.00	34.99 GAO-24
1"	.5000"	12.70	34.99 GAO-9
1"	.6250"	15.88	34.99 GAO-20
Removal Basin	24.99	GAO-21	x x

Parts are stamped for easy identification & reordering

Slide Hammer
GAO-2

Tightening Sleeve
GAO-3

Slide Shaft
GAO-1
1/2"-20 NF thread

Gripping Collets (see chart)

Removal Basin
GAO-21

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL, GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

... another
satisfied
customer



"Goodson was able to help me select the right grinding stones for our racing clutch and flywheel program. Their support and technical advice is always available to keep our program on the right track."

- Johnny Ahten, Johnny Ahten Racing - Goodson customers since 2005

CYLINDER HEAD
REBUILDING

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ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

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TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

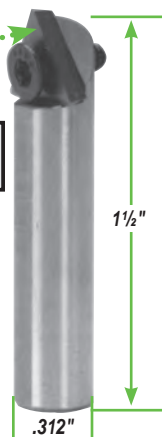
Flywheel Radius Cutter Tip Holder

- For Winona Van Norman/ Van Norman FG-5000
- Holder measures 1.5"L with a .312" dia. shank
- Includes 1 indexable FG-3B cutter tip

Description	Jobber 1+	Jobber 10+	Order No.
Tip Holder	\$123.99		FG-5011
Replacement Tip	10.99	9.89 ea.	FG-3B

FG-3B

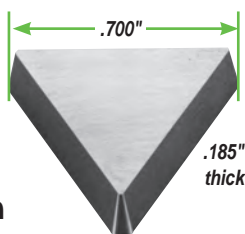
Order 10 or more,
take 10% off jobber!



Order 5 or more,
take 10% off jobber!

Flywheel Cutter Tip For Winona Van Norman 570 Rotary Broach

- 3-edge carbide cutting tip for use with the special flywheel attachment
- Order **VN-FW** Jobber \$16.99 each
- Order 5+, Jobber \$15.29 each



FG-LOCK

Flywheel Grinder Bolt Adaptors

- Replace shoulder bolts with standard hardware
- Low-cost adaptor converts any 1/2" or 7/16" bolt to a 3/4" ID
- Includes countersunk adaptor with bolts for extra clearance

Fits	Size	Jobber	Order No.
DCM, Peterson, KW	1/2" x 13	\$33.99	FG-DCP-KIT
WVN	7/16" x 14	33.99	FG-AB-KIT
WVN Table Insert	OD: 5/8" x 11, ID: 7/16" x 14	6.99	FG-LOCK

Flywheel Grinding Coolant

- Formula eliminates rancid coolant
- Synthetic inhibitors
- Dilute 30:1 (water:coolant)

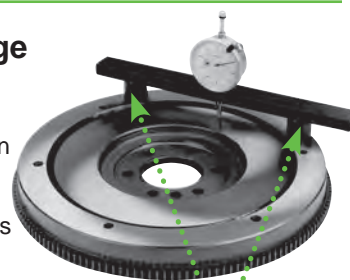
Size	Jobber	Order No.
1 Gal. / 3.78L	\$ 41.99	FG-1101-G
5 Gal. / 18.8L	149.99	FG-1102-G



Flywheel Depth Gauge with Dial Indicator

- Measure flywheel before and after grinding to maintain proper depth specifications
- Gauge Assembly includes Dial Indicator, Bar & Magnets
- Spindle Extensions sold separately

Description	Jobber	Order No.
Gauge Assembly	\$129.99	FGG-12
Spindle 1.5"	11.99	DIS-1.5
Extensions 2.5"	11.99	DIS-2.5
3.0"	17.49	DIS-3.0



Magnetic feet adjust to flywheel diameter

Flywheel Grinder Table Lubricant

- Extend flywheel grinder life
- High pressure oil designed to lubricate table bearings and ways
- For all makes of flywheel grinders
- 1 Gal. (3.78L)
- Order No. **FG-1131-G**
- Jobber \$39.99



FG-1165-G



FG-1070A-G



FG-1045-G



GS-17



GS-00



GS-0

Grinding Wheel Dressers & Replacement Cutters

Diamond Dresser Tools are available on pages 106-107

Cutter Assemblies						Replacement Cutters					
Applications	OD	W	Jobber	Order No.	Pieces	Washers	OD	ID	Thick	Jobber	Order No.
Peterson (12mm shaft)					8 stars	5	2.375"	1.50"	.093"	\$23.99	GS-17
						1 w/locking tangs	1.75"	1.50"	.060"		
WVN SM2000, 4000, 5000, 6000C, 6000A, MG3000, 3850	1.250"	.978"	\$29.99	FG-1165-G	7 stars	none	1.25"	0.313"	.095"	7.99	FG-1161-G
Peterson & DCM	2.375"	2.262"	72.99	FG-1070A-G	5 stars		2.375"	1.132"	.1375"	16.99	FG-1070-G
Hand held			51.99	FG-1045-G	1 stone	none	1.50"	0.313"	.6250"	13.99	FG-1044-G
Desmond-Style Dresser for wheels to 10"			21.99	GS-0	4 blades, 2 spacers		0.250"			7.99	GS-00
					4 blades, 2 spacers		0.500"			8.99	GS-11

Flywheel Grinding Stones

For Best Results... Choose The Right Flywheel Stone From Goodson

Goodson stones feature 50% more usable abrasive and much stronger construction, yet sell at prices comparable to ordinary stones. With Goodson stones you'll get longer wheel life and lower-cost flywheel grinding.

Cast Iron:

Cast Iron (soft) flywheels need to be ground with harder stones. Experiment to find the best stone. A starting point is the FGW-57, our best all-around stone for Cast Iron.

Cast Steel:

Cast Steel (medium) flywheels require medium-hard stones. The FGW-65 is our best all-around stone for Cast Steel.

Billet Steel:

Billet Steel (very hard) flywheels need to be ground with softer stones. Our best all-around stone for Billet Steel is the FGW-50-2. It's our most friable and free-cutting, requiring minimal dressing.

10% off jobber!
Order 5 or more flywheel grinding stones (any combination)



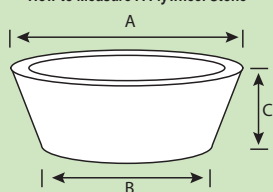
tech tips

from the techxperts™ Be sure to use ample coolant to flush away swarf and help the stones perform better.

tech tips

from the techxperts™

How to Measure A Flywheel Stone



More Flywheel Stones on page 104
Coolant on pages 73 and 102

Silicon-Carbide Abrasive

CAST IRON (Passenger cars, light trucks)

A	B	C	Arbor	Description	Jobber 1+	Jobber 5+	Order No.
6"	4 1/2"	2 5/8"	1 1/4"	Harder than FGW-57, lasts longer, black	\$51.99	\$46.79	FGW-67
6"	4 1/2"	2 5/8"	1 1/4"	Best all-around for cast iron, black	51.99	46.79	FGW-57
6"	—	2 1/2"	1 1/4"	Straight-sided FGW-57, black	50.99	45.89	FGW-57S
6"	4 1/2"	2 5/8"	1 1/4"	Softer than FGW-57, grinds faster, black	49.99	44.99	FGW-47
6"	4 3/4"	2 7/8"	1 1/4"	Silicon-carbide, ideal for top fuel, black	49.99	44.99	FGW-37
6"	4 3/4"	2 7/8"	1 1/4"	Silicon-carbide, softer, finer grit than FGW-37	54.99	49.49	FGW-37F
4"	3"	2"	1 1/4"	Small diameter FGW-57, black	67.99	61.19	FGW-61
4"	3"	2"	1 1/4"	Small diameter FGW-37, black	29.99	26.99	FGW-374
3"	—	2"	1 1/4"	Straight-sided green silicon-carbide, premium	29.99	26.99	FGW-93

Silicon-Carbide/Aluminum-Oxide Combination

CAST STEEL (Industrial, agricultural, OTR trucks)

A	B	C	Arbor	Description	Jobber 1+	Jobber 5+	Order No.
6"	4 1/2"	2"	1 1/4"	Harder than FGW-65 lasts longer, lt. gray	\$63.99	\$57.59	FGW-53
6"	4 1/2"	2 5/8"	1 1/4"	Best all-around for Cast Steel, speckled	99.99	89.99	FGW-65
6"	4 1/2"	2 5/8"	1 1/4"	Slightly softer than FGW-65, black	49.99	44.99	FGW-495
4"	3"	2"	1 1/4"	Small diameter FGW-65, speckled	47.99	43.19	FGW-69
6"	4 1/2"	2 5/8"	1 1/4"	Softer than FGW-65, grinds faster, black	81.99	73.79	FGW-49

Aluminum-Oxide Abrasive

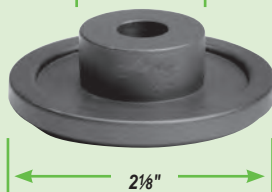
BILLET STEEL (Import vehicles, high-performance)

A	B	C	Arbor	Description	Jobber 1+	Jobber 5+	Order No.
6"	4 1/2"	2 5/8"	1 1/4"	Harder, ruby stone, lasts longer	\$89.99	\$80.99	FGW-64
6"	4 1/2"	2 5/8"	1 1/4"	Harder, pink stone, lasts longer	99.99	89.99	FGW-62-1
6"	4 1/2"	2 1/2"	1 1/4"	Harder than FGW-50-2	66.99	62.99	FGW-50
6"	4 1/2"	2 1/2"	1 1/4"	Best all-around for Billet Steel	84.99	76.49	FGW-50-2
4"	3 1/2"	1 1/2"	1 1/4"	Harder, pink stone, lasts longer	44.99	40.49	FGW-63-1
4"	3"	2"	1 1/4"	Taller than FGW-56, more abrasive, white	48.99	44.09	FGW-306
4"	3 1/2"	1 1/2"	1 1/4"	Premium	36.99	33.29	FGW-56P
4"	3 1/2"	1 1/2"	1 1/4"	Small diameter, off white	31.99	28.79	FGW-56
3"	2 1/4"	1 1/4"	3/4"	Small diameter, light gray	28.99	26.09	FGW-59
3"	—	2"	1 1/4"	Straight-sided sugar white stone	25.99	23.39	FGW-92

NOTE: Due to manufacturing process, colors may vary.

All abrasives are guaranteed for 1 year from original purchase date.

Mounting Adaptor For Small Diameter Stones



- Many flywheel grinders have lower mounting flanges that won't fit inside 3" and 4" diameter flared-cup stones
- Use this adaptor to avoid damage when mounting small stones
- Fits most small diameter stones
- Order No. **FG-FLANGE**
Jobber \$43.99

CYLINDER
REBUILDING

CRANKSHAFT/
LYWHEEL GRINDING

MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
TOOLING

MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

tech tips

from the techxperts™

Never dress your Superabrasive with the dresser attachment on your machine. Use our CBN dressing stick for best results.



FlyMaster® CBN Super Abrasive Flywheel Grinding Wheels

• For cast iron • Light to heavy applications

A	B	C	Arbor	Shape	Grit	Jobber 1+	Jobber 5+	Order No.
2"	2"	0.4"	3/8"	Straight	100	\$199.99	\$179.99	CBN-200
3"	3"	0.4"	3/8"	Straight	100	215.99	194.39	CBN-300
2"	1 3/8"	3/8"	3/8"	Cup	100	139.99	116.99	2H0998
3"	2"	1 1/4"	1 1/4"	Cup	100	232.99	209.69	261453
3 3/4"	2 5/8"	1 1/2"	1 1/4"	Cup	100	221.99	199.79	2371052
3 3/4"	2 5/8"	1 1/2"	1 1/4"	Cup	60	205.99	185.39	34296362
5"	3 3/4"	1 3/4"	1 1/4"	Cup	100	219.99	197.99	2379270
6"	4 5/8"	1 5/8"	1 1/4"	Cup	100	229.99	206.99	2367275*
6"	4 5/8"	1 5/8"	1 1/4"	Cup	60	239.99	215.99	2G7480
CBN Dressing Stick 1/2" x 1/2" x 6"						17.99		DS-CBN

*Most popular application

Order 5 or more Flywheel Grinding Stones (any combination) and SAVE 10% off Jobber



Flywheel Grinding Stones

• Four Abrasive formulas to choose from

SILICON-CARBIDE ABRASIVE

Ductile Iron, Cast Iron & Steel (Black)

A	B	C	Arbor	Hardness	Shape	Jobber 1+	Jobber 5+	Order No.
3"	2 1/2"	1 1/2"	1 1/4"	Med. Hard	Flared	\$39.99	\$35.99	U364512
4"	3"	2"	1 1/4"	Med. Soft	Flared	74.99	67.49	U335369
6"	4 1/2"	2 1/2"	1 1/4"	Med. Soft	Flared	49.99	44.99	U324495
6"	4 1/2"	2 1/2"	1 1/4"	Med. Hard	Flared	51.99	46.79	U335376
6"	4 1/2"	2 1/2"	1 1/4"	Hard	Flared	47.99	43.19	U335377
6"	4 1/2"	2 1/2"	1 1/4"	Med. Soft	Flared	51.99	46.79	U357854
6"	4 1/2"	2 1/2"	1 1/4"	Med. Hard	Flared	62.99	56.69	U343805

EXTENDED LIFE CERAMIC

Ductile Iron, Cast Iron and Steel (Black)

A	B	C	Arbor	Hardness	Shape	Jobber 1+	Jobber 5+	Order No.
6"	4 1/2"	3"	1 1/4"	Med. Hard	Flared	\$117.99	\$106.91	U370095

ALUMINUM-OXIDE ABRASIVE

Mild Steel & Hardened Steel (White)

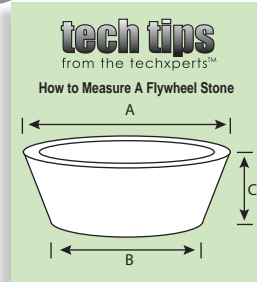
A	B	C	Arbor	Hardness	Shape	Jobber 1+	Jobber 5+	Order No.
6"	4 1/2"	2 1/2"	1 1/4"	Soft	Flared	\$104.99	\$94.49	F342636

ALUMINUM-OXIDE ABRASIVE

Light to Medium Stock Removal on Steel, Cast Iron & Ductile Iron (Ruby)

A	B	C	Arbor	Hardness	Shape	Jobber 1+	Jobber 5+	Order No.
4"	3"	2"	1 1/4"	Medium	Flared	\$59.99	\$53.99	F348769
6"	4 1/2"	2 1/2"	1 1/4"	Soft	Flared	62.99	56.69	F372039
6"	4 1/2"	2 1/2"	1 1/4"	Med. Soft	Flared	64.99	58.49	F348771
6"	4 1/2"	2 1/2"	1 1/4"	Medium	Flared	67.99	61.19	F348772
6"	4 1/2"	2 1/2"	1 1/4"	Hard	Flared	67.99	61.19	F348773

Colors may vary due to the manufacturing process



Diamond Flywheel Grinding Wheel

- For hard, spray coated floaters and flywheels
- Not for use on cast iron or steel flywheels
- A = 6" | B = 4 5/8" | C = 1 7/8" | Arbor = 1 1/4"
- Order No. **2E5742** Jobber 1+ \$199.99 Jobber 5+ \$179.99

3/4" Thick Wall for Faster, More Aggressive Grinding



Big Brute™ Flywheel Grinding Stone

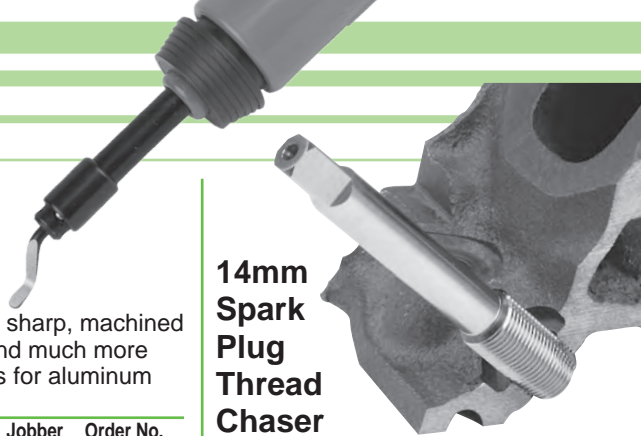
- Medium-Hard Silicon Carbide abrasive formula • Extra beefy for better grinding
- Measurements: A = 6" | B = 4 3/4" | C = 3" | Arbor = 1 1/4" (see graphic above)
- Order No. **U69693** Jobber 1+ \$57.99 or Jobber 5+ \$52.19



Deburring Tool

- Swivel tool chamfers sharp, machined edges, bolt holes, and much more
- DT-6 includes cutters for aluminum and cast iron

Description	Jobber	Order No.
Deburring Tool	\$20.99	DT-6
Replacement Cutters		
Steel/Aluminum	\$5.99	DT-10
Cast Iron/Brass	5.99	DT-20



14mm Spark Plug Thread Chaser

- Ideal for spark plug hole cleaning
- Re-forms the original material by burnishing, not cutting, and won't create new chips to clean out
- Order No. **SPB-14** Jobber \$109.99



Burr Buster

- Use on air float tables, seat & guide machines, beds of crankshaft grinders and flywheel grinder tables
- Deburrs gasket surfaces on heads, blocks, manifolds, etc.
- 120 grit premium grade abrasive
- 1½" x 2¾" x 9"
- Order No. **BB-9** Jobber \$31.99



Bench Grinder Wheels

- 40 and 60 grit for general grinding
- 100 grit for sharpening carbide tools
- Includes bushings to reduce arbor hole from ¾" to ½"
- PLUS a ⅝" bushing adaptor

Size	Grit	Jobber	Order No.
General Purpose Wheels: For steel and cast iron			
6" x ¾"	60	\$22.99	GG-666
6" x 1"	60	23.99	GG-686
8" x 1"	40	30.99	GG-884
8" x 1"	60	32.99	GG-886
Green Grit Wheels: For sharpening carbide tools			
6" x ½"	100	\$30.99	GGC-641
6" x ¾"	100	34.99	GGC-661
6" x 1"	100	41.99	GGC-681

GS-00



GS-0



Grinding Wheel Star Dressers

Description	Jobber	Order No.
Hand dresser for wheels up to 10" dia.	\$21.99	GS-0
Replacement Cutter Sets		
4 blades, 2 spacers, ¼" ID for GS-0 dresser	\$7.99	GS-00
4 blades, 2 spacers, ½" ID for GS-1 dresser	8.99	GS-11

Deburring Wheels for Bench Grinders

- Medium-hard wheels are better suited for heat sensitive materials
- Use to clean and polish white metal
- Buff and Blend Wheels deliver the same results as a wire brush but are much safer to work with

Description	Size	Qty.	Jobber	Order No.
Medium-Hard Deburring Wheel	6" x 1" x 1"	1	\$94.99	SCW-68M
Buff and Blend Wheels	6" x ½" x 1"	5	18.99	BBD-65



Premium Tapered Reamer

- Use by hand or with a powered driver to deburr or enlarge tapered holes for valve guides, bolt hole chamfering, etc.
- Use in ½" chuck at approximately 40 RPM
- OAL: 5¾" • Flute Length: 3¾"
- Small End: ⅛" dia. • Large End: ½" dia.
- Order No. **TR-216-1** Jobber \$36.99

More Lights Pages NP-5



Maxxeon® WorkStar® 360 Rechargeable LED Pen/Inspection Light

- No batteries to replace! Includes Micro USB charger
- 3X zoom provides 160 Lumens on low
- 1X zoom provides 260 Lumens on high
- 40 minute continuous or 2-hour intermittent operation
- Dust-tight, waterproof to 3 feet
- Drop tested to 6 feet
- Order No. **DFL-360** Jobber \$31.99

Maxxeon WorkStar™ 430 Inspector Maxx Rechargeable Work Light

- 6 inline LEDs with a custom lens creates a huge floodlight beam - no rings, no shadows, no hot spots
- Worklight = 200 lumens, Flashlight = 135 lumens
- Rechargeable battery (not replaceable, USB charger cord included)
- Measures: 7"L x 7/8"W x 1/2" Thick • Weighs 2.2 ounces
- Order No. **DFL-430** Jobber \$34.99



CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
CRANKSHAFT/
FLYWHEEL GRINDING
MISCELLANEOUS
TOOLS & SUPPLIES
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS

Diamond Dresser Tools

shown at approximately full size

CYLINDER HEAD
REBUILDING

CLEANING,
ASSEMBLY & SAFETY

SHORT BLOCK
REBUILDING

CRANKSHAFT/
FLYWHEEL GRINDING

MISCELLANEOUS
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HARD PARTS

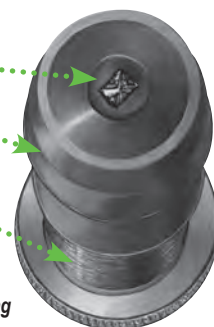


Diamond: Selected for very high point definition.
A sharper diamond cuts faster and gives a superior finish.

Matrix: Matrix material is bronze or copper-based for a tight hold on the diamond & high heat transfer.

Holder: Cold rolled steel. Threaded types have precision threads over a long distance to screw easily into tool holders and support cutting point firmly to prevent vibration.

Diamonds are stamped for easy identification and re-ordering



Premium Diamond Resetting Service:

Send your worn premium diamonds to Goodson for fast resetting.
Prices quoted upon request.
Reset when wear facets exceed $\frac{1}{16}$ " on a $\frac{1}{2}$ to $\frac{3}{4}$ carat diamond and $\frac{1}{8}$ " on a 1 carat or larger.

Diamond Dresser Tools

Diamond Dressers for most shop machines are in stock and ready-to-ship

A diamond tool is only as good as the diamond itself. GOODSON diamonds are furnished by the most respected supplier in the U.S. Each is subjected to a microscopic examination by experts and must meet strict standards to be accepted. This rigorous inspection and careful control during manufacturing assures consistent high quality. Our diamond tools deliver the highest levels of performance and longevity.

In addition to our standard diamond tools, GOODSON stocks a wide selection of Premium Quality diamonds. These diamonds last longer and improve wheel performance. They stay sharp longer and have more points so they can be reset more times. Because of this quality, they will dress harder wheels and wheels will need to be dressed less frequently. If you don't see the diamond you need in a premium quality, call 1-800-533-8010 for a special order.

	Machine	Description	Carat	Jobber	Standard	Jobber	Premium
Valve Refacers	B&D, Skil, Sioux™, Thor, VanDorn, WVN	3/8" x 1 5/8"	1/5	\$ 37.99	G-1	\$ 74.99	G-1P
	Kwik-Way, Tobin Arp (S&D)	5/16" x 2 1/2"	1/5	37.99	G-3	—	—
	Kwik-Way, Valve Master (1714)	1/2" x 3 3/4" 20NF	1/5	39.99	G-4	—	—
	Sioux™ (1713, 1715), IDL, WVN (CG50, CG80)	3/8" x 2 3/4" 24NF	1/5	39.99	G-5	74.99	G-5P
	IDL, WVN (CG-50, CG-80)	3/8" x 3 1/4" 24NF	1/5	44.99	G-80	—	—
	US	7/16" x 2"	1/5	37.99	G-6	—	—
	Skil (Talent)	5/16" x 2 1/4" 18NC	1/5	39.99	G-9	—	—
Valve Seat Grinders	Kwik-Way	7/16" x 2 3/4" 20NF	1/5	37.99	G-17	74.99	G-17P
	B&D, S&D, Van Dorn	3/8" x 2 1/4" 24NF	1/5	39.99	G-2	—	—
	Kwik-Way	1/2" x 3 3/4" 20NF	1/5	39.99	G-4	—	—
	Sioux™ (1715), K-W (NSG), Thor	3/8" x 2 3/4" 24NF	1/5	39.99	G-5	74.99	G-5P
	Hall HD (13-1938P), Skil, Snap-On, B&D	5/16" x 2 1/4" 24NF	1/5	43.99	G-8	72.99	G-8P
	KO Lee, Skil	5/16" x 2 1/4" 18NC	1/5	39.99	G-9	—	—
	Sioux™ Heavy Duty (1715B, 1719)	3/8" hex RH thread	1/5	59.99	G-11	—	—
Clutch Grinders	Goodson Universal Wheel Dresser	8mm x 1.25mm	1/5	—	—	84.99	G-13P
	Sioux™ Heavy Duty (1715A)	3/8" x 2 3/4" 24NF	1/2	77.99	G-15	—	—
	Kwik-Way Heavy Duty Wheel Dresser	1/2" x 3" 20NF	1/5	37.99	G-18	70.99	G-18P
	Lempco AC, NAC, VAC & Do-ALL	7/16" x 2"	1/5	37.99	G-6	—	—
Piston Grinders	Van Norman 75, 76 & Relio	3/8" x 1 5/8"	1/5	37.99	G-1	74.99	G-1P
	Storm-Vulcan D-3	7/16" x 2"	1/5	37.99	G-6	—	—
Drum Lathes	Van Norman (all except 302, 302H)	3/8" x 1 5/8"	1/5	37.99	G-1	74.99	G-1P
	Barret, V.N. 302, 302H	3/8" x 3"	1/5	37.99	G-1L	—	—
	Lempco	7/16" x 2"	1/5	37.99	G-6	—	—
	Ammco 5000	1/2" x 1 1/2"	1/5	39.99	G-19	—	—
Rod Grinders	Sunnen® Rod & Cap Grinder (CRG-500)	3/8" x 1 5/8"	1/5	37.99	G-1	74.99	G-1P
	Storm-Vulcan No. 65 Rod Grinder	1/2" x 3 3/4" 20NF	1/5	39.99	G-4	—	—
Crank & Cam Grinders	Storm-Vulcan 14, 15, 15A, 15C, 75, 75A	1/2" x 3"	3/4	135.99	G-25	—	—
		1/2" x 3"	1	185.99	G-25A	—	—
	Scledum	10mm x 1 5/8"	3/4	136.99	G-27	—	—
	Winona Van Norman/Zanrosso,	7/16" x 1 1/4", 5/8" head	3/4	136.99	G-30	—	—
	Lempco, Landis	7/16" x 1 1/4", 5/8" head	1	197.99	G-30A	—	—
	Berco	tapered, step type	1	203.99	G-32A	319.99	G-32AP
	Berco	tapered, step type	1 1/2	329.99	G-32B	—	—
Flywheel Grinder	Storm-Vulcan, WVN CG210, 250, 280	1/2" x 2" 70° radius dress	3/4	249.99	G-33	—	—
	Kwik-Way 796	7/16" x 2"	1/5	37.99	G-6	—	—

tech tips

from the techxperts™

- 1. Set tool at a proper angle.** Position at 10° to 15° from surface. Smaller angles blunt the diamond. Larger angles may cause the wheel to remove matrix material.
- 2. Prevent vibration in the holder.** Any looseness in the tool holder will allow vibration of the tool resulting in poor finish on the wheel.

3. Turn coolant on before dressing. Wheels used wet should be dressed wet. To keep diamond cool, turn coolant on before starting to dress. (If wheel is dressed dry, air-cool diamond between cuts but don't quench with water.)

4. Start at highest point. Wheels often wear unevenly & may have high & low spots. Set tool to dress high spots first, feed in about .001" per pass until done. This prevents overheating & damage.

5. Use steady travel. Uneven travel causes an uneven finish. The best rate is found by experiment, but whatever the rate of travel, it must be even.

6. Turn the tool in the holder. Turn the tool often to expose new diamond surface to the wheel.

7. Don't bump or drop diamond. They are hard but brittle, and can be harmed if dropped or bumped.

CAUTION: Grinding Wheel must never touch the matrix or holder.

CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
CRANKSHAFT/
FLYWHEEL GRINDING
MISCELLANEOUS
TOOLS & SUPPLIES
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS



"In addition to the wide selection of tools and supplies found in this catalog, we have access to hundreds more hard-to-find tools. If you're looking for a special tool, call us and we'll help you find it."

- Wendy, Goodson Inventory Control, 33 years of service

CYLINDER HEAD
REBUILDING



Replacement Bearing Cap for Sioux™ 1710 Electric Driver

- Order No. **SX-23694**
Jobber \$59.99

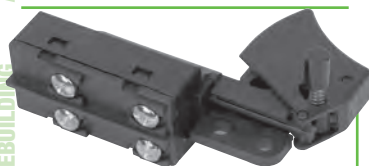
CLEANING,
ASSEMBLY & SAFETY

Replacement Brush Set for Sioux™ 1710 Electric Driver

- Carbon brushes for armature
- Measure 3/8" x 1/2"
- Order No. **SX-18004**
Jobber \$29.99



SHORT BLOCK
REBUILDING



Replacement Switch for Sioux™ 1710 Electric Driver With Plastic Handle

- 125/250 VAC or 125VDC
- 2 Pole • Measures 1.87"L x 0.875"W x 1.07"H
- Order No. **SX-18204**
Jobber \$33.99

CRANKSHAFT/
FLYWHEEL GRINDING

Replacement Bearing Cap for Sioux™ 1792 Pneumatic Driver

- Order No. **SX-33970**
Jobber \$59.99



MISCELLANEOUS
TOOLS & SUPPLIES



Sioux-Style Replacement Vacuum Tester Parts

- For Sioux™ 1630K Tester which is no longer manufactured
- Closed cell foam for an exceptional seal



Sioux-Style Replacement Plates for the 1630K Tester

Size	OE No.	Jobber	Order No.
2" / 50.8mm dia.	1630-2	\$31.99	SVT-2
3" / 76.2mm dia.	1630-3	34.99	SVT-3
4.75" / 120.7mm dia.	1630-4	34.99	SVT-475
6" / 152.4mm dia.	1630-6	39.99	SVT-6
2"x3" / 50.8 x 76.2mm		31.99	SVT-23
3x4" / 76.2 x 101.6mm		34.99	SVT-34

Replacement Parts for the 1630K Tester

Replacement Fitting	\$13.99	DVC-SX
Replacement Gauge	44.99	1630-GAUGE

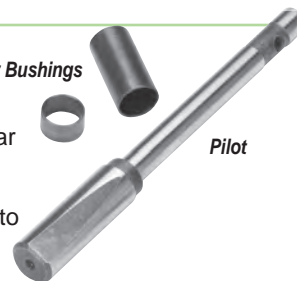
MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS

Sioux-Style Pilots & Bushings

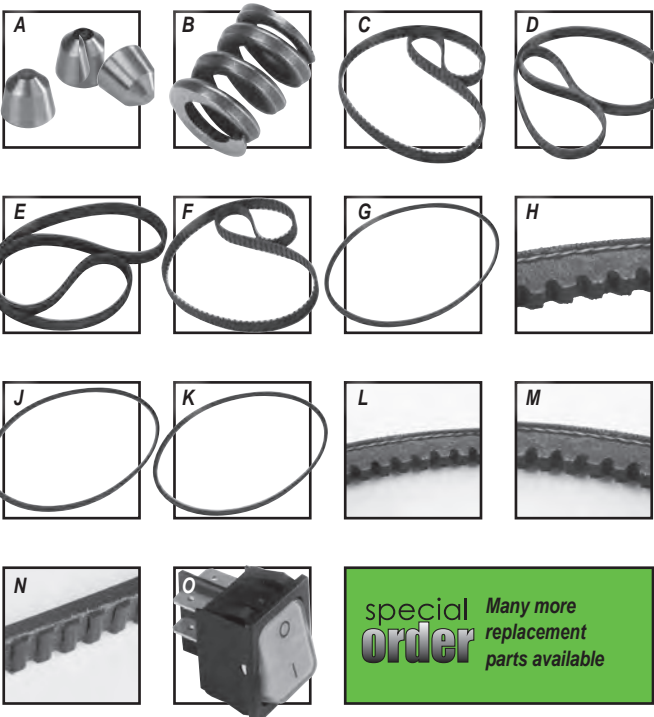
- Replacement parts for the popular 1716 Seat Wheel Dresser no longer available from Sioux™
- .375" top pilot features a groove to fit Black & Decker holders
- .600" bottom size

Riser Bushings



Pilot

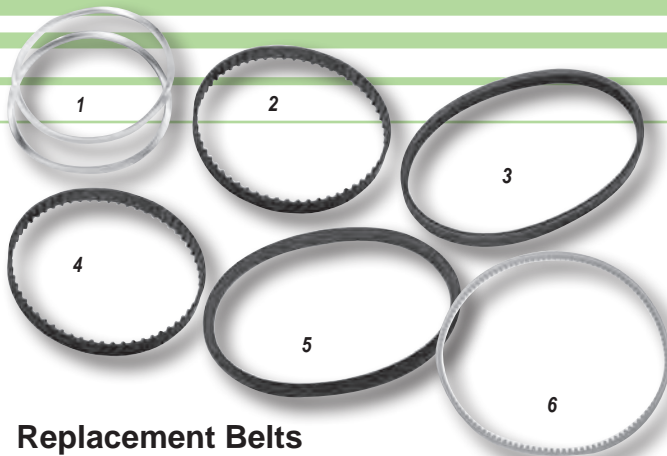
Description	Jobber	Order No.
.385" Top Pilot	\$78.99	1718A
.375" Top Pilot	74.99	1718-BD
.572" Dressing Stand Pilot for Sioux™ 1716 Dresser	79.99	1718-B
Riser Bushings (2) for .385" Pilots	9.99	SK-9-10
Riser Bushings (2) for .437" and .572" Pilots	10.99	SK-11-12



special order Many more replacement parts available

Replacement Parts for Sioux™ Valve Refacers

Description	Fits Model No.	Jobber	Order No.
A- Chuck Balls (3 pc.)	680	\$209.99	24185
B- Chuck Springs (9 Pc.)	680, 2075	113.99	SX-53615
C- Cog Style 24"x1/2" 120 teeth	680	28.99	SX-14467
D- Serpentine 29 3/8"x1/2" 5 grooves	680	36.99	SX-14471
E- Spindle Belt 28"x1/2" 5 groove	2075	36.99	SX-65117
F- Chuck Belt 23 3/8"x3/4" 115 teeth	2075	18.99	SX-14473
G- Replacement Belt for Grinding Head Fits Serial #s up to 34999 (2 belts)	645	57.49	SX-14400
H- Chuck Belt Fits Serial #s 34999 & up (also coolant pump belt for #s 35217 & up).	645	20.99	SX-14401
J- Belt for Motor Shaft; Fits Serial #s up to 34999	645	28.99	SX-14402
K- Coolant Pump Belt; Fits Serial #s 34999-35216	645	28.99	SX-14403
L- Belt for Motor Shaft; Fits Serial #s 35000 & up	645	41.99	SX-14445
M- Replacement Belt for Grinding Head; Fits Serial #s 35000-58700	645	32.99	SX-14453
N- Replacement Belt for Grinding Head; Fits Serial #s 58701 & up	645	39.99	SX-14461
O- Replacement Switch (1100V, AC)	2001, 2075	56.99	SX-18221



Replacement Belts For Kwik-Way Valve Refacers

Application	Machine	Jobber	Order No.
1 Spindle Belt 14.5" L "O" Ring - 1 Pr.	SVS II	\$17.99	000-2303-62
2 Chuck Belt 10" Cog, 50 tooth	SVS II	22.99	001-1899-90
3 Spindle Belt 18" Serpentine	SVS	37.99	001-1905-20
4 Chuck Belt 12" Cog, 60 tooth	SVS or VS	25.99	001-1899-99
5 Spindle Belt 16" V-Belt	VS	22.99	001-1900-67
6 Chuck Belt 19" 120 tooth	VS	29.99	001-1900-75

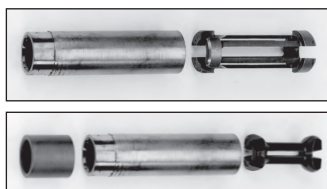
Replacement Chuck Balls For Kwik-Way Valve Refacers

- Measure chuck ball diameter before ordering to ensure correct replacement
- 6 per set

Diameter	Jobber	Order No.
1/2"	\$43.99	010-2101-27
17/32"	37.99	010-2101-35



enlarged to show detail



- ◀ Collet is unavailable from OE
- ◀ Replace with two-piece set

Collet for Black & Decker™ Valve Refacers

- Two-piece set replaces the Black & Decker Twin Grip collet (no longer available)
- Remove the damaged, worn or broken collet and replace with this set
- Accommodates 1/4" (6.35mm) to 3/8" (9.53mm) valve stems
- Order No. **BVR-38** Jobber \$214.99



Rebuild Kit for Kwik-Way Hex Drive Stone Holders Without Spring Plunger

- Includes 2 bearings, bearing sleeve, bearing lock nut, sleeve key, hex cap and garter spring
- Order No. **034-0002-00**
Jobber \$189.99



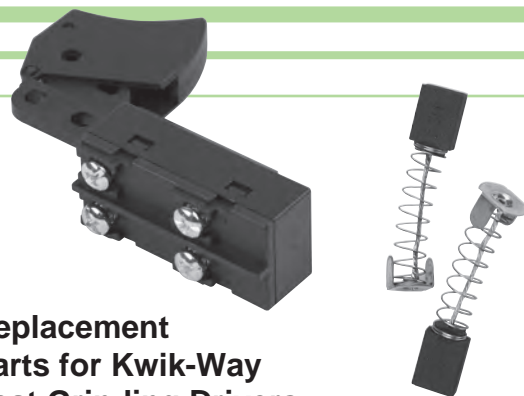
Rebuild Kit for Kwik-Way Hex Drive Stone Holders With Spring Plunger

- Includes 2 bearings, bearing sleeve, bearing lock nut, sleeve key, hex cap and spring plunger
- Order No. **034-0002-15**
Jobber \$199.99



Rebuild Kit for Kwik-Way Flex Drive Stone Holders

- Includes 2 bearings, bearing sleeve, heavy-duty flex coupling, inner sleeve key and set screw
- Order No. **034-0003-25**
Jobber \$279.99



Replacement Parts for Kwik-Way Seat Grinding Drivers

Description	Jobber	Order No.
Trigger Switch	\$39.99	000-1201-20
2 Pc. Brush Set	29.99	003-0072-43

See page 19 for Seat Grinding Drivers



Valve Refacer Steady Rest Shoes for Sunnen® VR-7000 & VR-8000

- Sold by the pair
- Order No **SUN-1202A** Jobber \$39.99

Sunnen VR-6500 Valve Refacer Replacement Drive Belts

- 2 sizes available
- Shippable worldwide



Length	OE Number		Order No.
11"	PDB-305A	\$12.99	VR-6500-11
17"	PDB-306A	12.99	VR-6500-17

CYLINDER HEAD
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V-TWIN & METRIC
HARD PARTS



"If you need engine building tools and supplies, you need Goodson! We're dedicated to providing you with the best quality products, the best value and the best service in the industry."

- Mike, Goodson Purchasing - 3 years of service

CYLINDER HEAD
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MISCELLANEOUS
TOOLS & SUPPLIES

BRAKE SERVICE
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HARD PARTS



Tip Holder for Drums

Fits **Ammco** 1000, 2002, 3000, 4000, 4100, 7500 & 7700; **All Tool** 747; **Hoffman** 660; **Performance** 6600, 7200, 7100 & 7600

Dimensions: $\frac{1}{2}$ " x $\frac{3}{8}$ " x $2\frac{1}{4}$ "

Replaces OE No. 9872

Orientation: Right

Use Tips: RT-A Series (includes 1)

Order No. **TAM-41R** Jobber \$18.99



Tip Holder for Rotors

Fits **Ammco** 3000, 3850, 4000, 4100, 7000 & 6900, 6950 Twin Cutters; **All Tool** 747; **Performance** 6600, 7200, 7100, 7600; **Hoffman** 660

Dimensions: $\frac{3}{8}$ " x $\frac{3}{8}$ " x $1\frac{1}{8}$ "

Replaces OE No. 10701, 10702

Use Tips: RT-A Series (includes 1)

Left: Order No. **TAM-702** Jobber \$15.99

Right: Order No. **TAM-701** Jobber \$15.99



Tip Holder for Rotors

Fits **Ammco** 3000, 3850, 4000 4100, 7000 & 6900, 6950 Twin Cutters

Dimensions: $\frac{3}{8}$ " x $\frac{3}{8}$ " x $1\frac{1}{8}$ "

Replaces OE No. 25968, 25969

Use Tips: RT-3A or RT-3AS (includes 1)

Left: Order No. **TAM-25969** Jobber \$25.59

Right: Order No. **TAM-25968** Jobber \$25.59



Tip Holder for Drums & Rotors

Fits **Kwik-Way** CBL, NCL, SDL; **Snap-On** Y282, Y277, Y278, 180

Dimensions: $\frac{3}{8}$ " x $\frac{3}{8}$ " x $2\frac{1}{2}$ "

Replaces OE No. 109-1091-02, 109-1091-00

Use Tips: RT-KW Series (includes 1)

Left: Order No. **TKW-85L** Jobber \$21.99

Right: Order No. **TKW-84R** Jobber \$21.99



Tip Holder for Curved Rotors With Flange

Fits **Accu-Turn**, **FMC**, **Ammco** & **Kwik-Way**

Dimensions: $\frac{3}{8}$ " x $\frac{3}{8}$ " x 3"

Replaces OE No. 434056, 434057

Use Tips: RT-B Series (includes 1)

Left: Order No. **TFO-42L** Jobber \$21.99

Right: Order No. **TFO-42R** Jobber \$21.99



Tip Holder for Round Tips With Hole

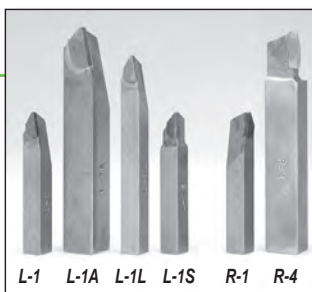
Fits **Accu-Turn**, **FMC**, **Bear**, **Hoffman**, **Kwik-Way**, **Snap-On**

Dimensions: $\frac{3}{8}$ " x $\frac{3}{8}$ " x $2\frac{3}{4}$ "

Use Tips: RT-312 Series (includes 1)

Left: Order No. **TFM-312L** Jobber \$26.99

Right: Order No. **TFM-312R** Jobber \$26.99



Brazed Carbide Brake Lathe Tools

• Fit most popular brake drum lathes

Left Hand Cutting Tools

Size	Application	Jobber	Order No.
$\frac{3}{8}$ " sq. x $2\frac{1}{2}$ "	Replaces Bean 43-46L; Bear 23211; Star CB-8; VN 302-7272 for 303, 304, 304H	\$11.99	L-1
$\frac{5}{8}$ " sq. x 4"	Replaces Ammco 5725, for 5000; Star CB-30; VN "Big Brute" for 310-404 Hardspots	19.99	L-1A
$\frac{3}{8}$ " sq. x $3\frac{1}{2}$ "	Extra long L-1 for small dia. drums	11.99	L-1L
$\frac{3}{8}$ " sq. x $2\frac{1}{2}$ "	Master carbide-tipped with 7° rake angle	14.99	L-1S

Right Hand Cutting Tools

Size	Application	Jobber	Order No.
$\frac{3}{8}$ " sq. x $2\frac{1}{2}$ "	Replaces Bean 43-46R; Bear 20718; Star LB-16; VN 302-7171 for 204, 300, 302, 302H, 333, 243XV; and Barrett & Lempco	\$11.99	R-1
$\frac{3}{8}$ " sq. x $2\frac{1}{2}$ "	Master carbide-tipped with 7° rake angle	9.99	R-1S
$\frac{5}{8}$ " sq. x 4"	Replaces Bear 24034, Star CB-35	18.99	R-4

Hardspot Cutters

Left Hand

Size	Use	Jobber	Order No.
$\frac{3}{8}$ "x $\frac{1}{2}$ "x $2\frac{3}{8}$ "	Drums	\$15.99	L-5

Right Hand

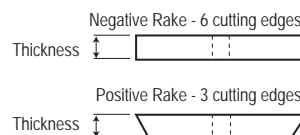
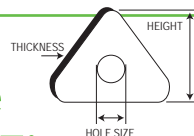
Size	Use	Jobber	Order No.
$\frac{3}{8}$ "x $\frac{1}{2}$ "x $2\frac{3}{8}$ "	Drums	\$15.99	R-5



L-5

R-5

Carbide Cutting Tip Measurements

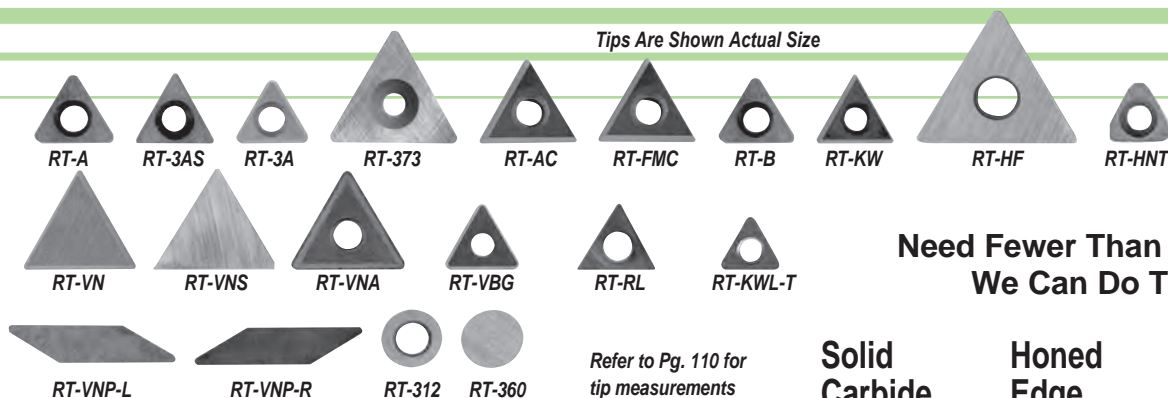


RT-A	RT-AC	RT-VBG	RT-VNS	RT-VNP-L / -R
Height: .350"	Height: .445"	Height: .344"	Height: .547"	Height: .902"
Thick: .095"	Thick: .131"	Thick: .098"	Thick: .121"	Thick: .100"
Hole: .135"	Hole: .145"	Hole: .124"	Hole: N/A	Hole: N/A
Rake: NEG	Rake: POS	Rake: POS	Rake: POS	Rake: POS

RT-3AS	RT-HF	RT-VN	RT-VNA	RT-312
Height: .357"	Height: .714"	Height: .545"	Height: .535"	Diameter: .311"
Thick: .104"	Thick: .185"	Thick: .125"	Thick: .188"	Thick: .100"
Hole: .127"	Hole: .200"	Hole: N/A	Hole: .148"	Hole: .150"
Rake: POS	Rake: NEG	Rake: POS	Rake: NEG	Rake: POS

RT-3A	RT-KW	RT-FMC	RT-KWL-T	RT-360
Height: .343"	Height: .358"	Height: .452"	Height: .338"	Diameter: .311"
Thick: .093"	Thick: .101"	Thick: .125"	Thick: .100"	Thick: .100"
Hole: .133"	Hole: .125"	Hole: .090"	Hole: .123"	Hole: N/A
Rake: POS	Rake: POS	Rake: POS	Rake: POS	Rake: POS

RT-373	RT-HNT	RT-B	RT-RL
Height: .625"	Height: .312"	Height: .343"	Height: .421"
Thick: .125"	Thick: .103"	Thick: .105"	Thick: .130"
Hole: .117"	Hole: .127"	Hole: .130"	Hole: .147"
Rake: POS	Rake: POS	Rake: NEG	Rake: POS



**Need Fewer Than 10 Tips?
We Can Do That!**

Solid Carbide

These standard grade, solid carbide cutting tips are parallel ground for resurfacing cast iron drums and rotors.

Honed Edge Carbide

Parallel & peripheral ground. Honed edges deliver a better finish on cast iron and composite rotors.

Titanium

Premium grade titanium coated carbide. Parallel and peripheral ground for ultimate performance on cast iron & composite rotors.

**10 Pack Prices Reflect A 10% Discount
Off Individual Tip Pricing**

						Priced per 10-Pack					
Machine	Model(s)	OE No.	Edges	Rake	Screws	Jobber	Order No.	Jobber	Order No.	Jobber	Order No.
Ammco	700, 710, OTC Lathes, 1000, 2002, 3000, 4000, 4100, 7000, 7500, 7700	6914	6	Neg	Yes	\$28.99	RT-A-10	\$34.99	RT-A-H-10	\$38.99	RT-A-T-10
	3850 smaller (1/64") radius	6918	3	Pos	Yes	43.99	RT-3AS-10	48.99	RT-3AS-H-10	58.99	RT-3AS-T-10
	larger (1/32") radius	7681	3	Pos	Yes	43.99	RT-3A-10	48.99	RT-3A-H-10	58.99	RT-3A-T-10
	6900,6950 negative rake (std.)	6914	6	Neg	Yes	28.99	RT-A-10	34.99	RT-A-H-10	38.99	RT-A-T-10
Twin Cutters:	positive rake (standard) 1/64" (finer finish)	6918	3	Pos	Yes	43.99	RT-3AS-10	48.99	RT-3AS-H-10	58.99	RT-3AS-T-10
	positive rake (modified) 1/32" (more durable)	7681	3	Pos	Yes	43.99	RT-3A-10	48.99	RT-3A-H-10	58.99	RT-3A-T-10
	7900	6914	6	Neg	Yes	28.99	RT-A-10	34.99	RT-A-H-10	38.99	RT-A-T-10
Ammco HD	5000, 6000, 6002	5677	3	Pos	No	109.99	RT-373-10	—	—	—	—
Accu-Turn	All combination disc/drum lathes	433796	3	Pos	Yes	46.99	RT-AC-10	47.99	RT-AC-H-10	48.99	RT-AC-T-10
	On-The-Car Lathes	878051	6	Neg	Yes	28.99	RT-A-10	34.99	RT-A-H-10	38.99	RT-A-T-10
All-Tool	747	3331	6	Neg	Yes	28.99	RT-A-10	34.99	RT-A-H-10	38.99	RT-A-T-10
Bean	B-401, B-410, B-501, B-601	90487	3	Pos	Yes	38.99	RT-FMC-10	48.99	RT-FMC-H-10	58.99	RT-FMC-T-10
Bear	1410,1466,1467,1468, 1469, 1478	2264,72265,772834	6	Neg	Yes	29.99	RT-B-10	—	—	—	—
	10-1430, 10-1435	W136	6	Neg	No	94.99	RT-HF-10	—	—	—	—
FMC	600, 601, 700, 701, RotoTruer	90487	3	Pos	Yes	38.99	RT-FMC-10	48.99	RT-FMC-H-10	58.99	RT-FMC-T-10
	505, On-The-Car Lathe	91212	3	Pos	Yes	38.99	RT-KW-10	44.99	RT-KW-H-10	48.99	RT-KW-T-10
Hoffman	660	3331	6	Neg	Yes	28.99	RT-A-10	34.99	RT-A-H-10	38.99	RT-A-T-10
Hunter	BL300 On-The-Car Lathe	221580-2	6	Neg	Yes	28.99	RT-A-10	34.99	RT-A-H-10	38.99	RT-A-T-10
	BL-500, BL-501, BL-505	6918	3	Pos	Yes	43.99	RT-3AS-10	48.99	RT-3AS-H-10	58.99	RT-3AS-T-10
	BL-500	221-678-3	3	Pos	Yes	48.99	RT-HNT-10	—	—	—	—
Kwik-Way	CBL, NCL, SDL Kwik-Lathe OTC Lathe	109-1092-23	3	Pos	Yes	38.99	RT-KW-10	44.99	RT-KW-H-10	48.99	RT-KW-T-10
	Lightening Lathe	109-1092-45	3	Pos	Yes	—	—	—	—	79.99	RT-KWL-T-10
Performance	6600,7200,7100, 7600	3331	6	Neg	Yes	28.99	RT-A-10	34.99	RT-A-H-10	38.99	RT-A-T-10
Pro-Cut	On-The-Car Lathe	50-701, 50-742	3	Pos	Yes	38.99	RT-VBG-10	43.99	RT-VBG-H-10	48.99	RT-VBG-T-10
RJ West	915D Disc Lathes	W136	6	Neg	No	94.99	RT-HF-10	—	—	—	—
	Perfect 400, 1115HD	W139	3	Pos	Yes	46.99	RT-AC-10	47.99	RT-AC-H-10	48.99	RT-AC-T-10
RTI	BRC35 On-The-Car Lathe	91212	3	Pos	Yes	43.99	RT-3A-10	48.99	RT-3A-H-10	58.99	RT-3A-T-10
Snap-On	YA282,YA277,YA278, YA180 OTC Lathe	109-1092-23	3	Pos	Yes	38.99	RT-KW-10	44.99	RT-KW-H-10	48.99	RT-KW-T-10
Van	204, 204D, 205, 205DC, 415, 243XV	29687	3	Pos	No	48.99	RT-VN-10	53.99	RT-VN-H-10	58.99	RT-VN-T-10
Norman and Rels	Smaller (1/64") radius	—	3	Pos	No	44.99	RT-VNS-10	—	—	—	—
	204, 304, 405	29005	6	Neg	No	73.99	RT-VNA-10	—	—	—	—
	303,304,305,404,405,V22	304-7167	2	Pos	No	78.99	RT-VNP-L-10	—	—	—	—
	204,205,205DR,300,302,333,243,243XV	302-7167	2	Pos	No	78.99	RT-VNP-R-10	—	—	88.99	RT-VNP-RT-10
VBG	Rels 2000 rotor	45016, 45021	3	Pos	Yes	62.99	RT-RL-10	—	—	—	—
	On-The-Car Lathe	50-701	3	Pos	Yes	38.99	RT-VBG-10	43.99	RT-VBG-H-10	48.99	RT-VBG-T-10
Round Tips With Hole	Fits TAM-312 and TFM-312 Holders	RT-312,RT-312T	360°	Pos	Yes	79.99	RT-312-10	—	—	99.99	RT-312T-10
Round Solid	Fits TAM-360SET, TFM-360SET, RJH and CT Holders	CT10	360°	Pos	No	68.99	RT-360-10	—	—	—	—

NOTE: The table above shows the original-equipment cutting tips for Ammco machines. Most of them use negative-rake tool systems. However, some Ammco machines (especially the 4000 and 7000-series) have been modified in the field by using the TAM-25968 and TAM-25969 positive-rake tool holders (see previous page). If your machine is shown above to have 6-edge tips but has 3-edge tips, it has been modified – please order our RT-3A or RT-3AS series tips.

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BRAKE SERVICE
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V-TWIN & METRIC
HARD PARTS

Brake Lathe Silencers

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MEASURING
TOOLS

V-TWIN & METRIC
HARD PARTS



Neoprene Brake Lathe Silencer

- Longer lasting than rubber
- Neoprene material resists deterioration associated with standard rubber belts
- 7 sound deadening weights
- Measures: 34" L x $\frac{5}{8}$ " W x $\frac{3}{16}$ " Thick
- Order No. **GT-6030N** Jobber \$19.99



Rubber Brake Lathe Silencers

- Live rubber strap with 7 sound deadening weights • For vented rotors

Size	Jobber	Order No.
34"L x $\frac{5}{8}$ "W x $\frac{3}{16}$ " Thick	\$19.99	CE-8
36"L x $1\frac{1}{4}$ "W x $\frac{3}{16}$ " Thick	36.99	CE-6930



Spring Silencer For Vented Rotors

- For 6" to 9" rotors
- Metal spring with internal sound dampeners
- Order No. **CE-13** Jobber \$28.99



Rubber Brake Lathe Tube Silencers for Vented Rotors

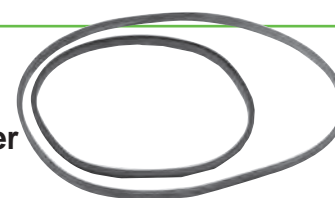
- 9/16" OD rubber tube with internal sound dampeners
- 2 sizes to choose from

Diameter	Weights	Jobber	Order No.
9"	6	\$20.99	CE-5
8"	4	20.99	CE-5S



Magnetic Strap Brake Lathe Silencer for Non-Vented Rotors

- Measures 48"L x $1\frac{1}{4}$ " wide
- Eliminates silencer wandering on solid, non-vented rotors
- Order No. **CE-10** Jobber \$10.99



Rubber Band Brake Lathe Silencers for Non-Vented Rotors

- Neoprene rubber gasket type bands for thin solid rotors • Both sizes are $\frac{5}{16}$ " wide x $\frac{3}{16}$ " thick

Diameter	Jobber	Order No.
6 $\frac{1}{2}$ "	\$5.99	CE-11
9 $\frac{1}{4}$ "	56.99	CE-12



Rubber Tube Brake Lathe Silencer for Non-Vented Rotors

- For 6" to 9" solid rotors
- Order No. **CE-7** Jobber \$7.99



Chain Band Brake Lathe Silencer for Non-Vented Rotors

- For 6" to 9" solid rotors
- Order No. **GT-9802** Jobber \$61.99



Replacement Pucks for Ammco Friction Rotor Silencer

- Heavy non-asbestos pucks provide the mass needed to dampen vibration
- Sold as a pair
- Fits Ammco 7075 silencer
- Order No. **CE-9** Jobber \$19.99



Clamp-On Brake Lathe Silencers For Vented & Non-Vented Rotors

- Follows the cut to absorb vibrations where they start
- Outlast plastic pads, rubber straps and bands

Application	Jobber	Order No.
For Bench Model Brake Lathes	\$28.99	CE-6
For On-The-Car Brake Lathes	27.99	CE-26

Premium Rubber Brake Lathe Silencers for Brake Drums

- Premium live rubber straps
- Two sizes to choose from

Application	Size	Jobber	Order No.
Passenger Cars	60"L x $2\frac{7}{8}$ "W x $\frac{1}{8}$ " Thick	\$18.99	CE-1
Trucks	78"L x $1\frac{3}{8}$ "W x $\frac{1}{4}$ " Thick	32.99	CE-2





Replacement Work Light

- 30" adjustable arm
- 5/8" round mounting end
- Uses up to 100W standard base bulb (not included)
- Easily accessible switch
- Fits most Ammco models
- Order No. **GT-7963**
- Jobber \$92.99



Replacement Switch for Ammco Brake Lathes

- Easy to install
- Fits most models
- Order No. **GT-7893**
- Jobber \$13.79



1" Arbor Nut For Ammco

- 7/8" x 9 Left Hand Thread
- Fits Ammco 2002, 3000, 4000, 4100, 7000, 7700 and 3850 models
- Order No. **GT-3102**
- Jobber \$26.99



1" Arbor Nut For All But Ammco

- 1" x 9 Left Hand Thread
- Fits AccuTurn 433701, All Tool 747, FMC 601, 701 & 702, Hunter, Van Norman/Rels 204, 243
- Order No. **GT-20442N**
- Jobber \$21.99



enlarged to show detail

Brass Wear Inserts For Ammco

- Sold individually

Dia. x Lgth.	Jobber	Order No.
3/16" x 1/8"	\$1.99	GT-3141
1/4" x 1/4"	1.99	GT-3142
(most popular)		
1/4" x 1/4"	1.99	GT-9836



Replacement Seals For Ammco

Application	OD	Jobber	Order No.
Feed Screw	1.25"	\$6.99	3163
Spindle	3.55"	8.99	3164

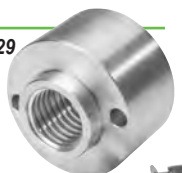


GT-10868



GT-10868X

LSB-78529



GT-4670

Ammco Rotor & Drum Feed Screw Bushings

Description	Jobber	Order No.
Rotor Feed Bushing (early)	\$32.99	GT-10868
Rotor Feed Bushing (late)	29.99	GT-10868X
Drum Feed Bushing (all)	49.99	GT-4670
Lead Screw Bushing Adaptor	29.99	LSB-78529

1" Arbor for Ammco

- Fits Ammco 2002, 3000, 4000, 4100, 7000, 7500 & 7700 models
- 7/8" x 9 LH thread
- Precision ground
- Factory checked for run-out of less than .001" • Heat treated, stress relieved tool steel • For drums & rotors up to 125 lbs.
- Order No. **GT-3101**
- Jobber \$199.99



1HP Motor for Ammco Brake Lathes

- Fits 3000, 4000, 4100, 7000, 7500, & 7700 models
- 208 / 230 / 115V • 60Hz
- 1725 RPM • Shaft: .625"
- Includes motor plate and all accessories in photo
- Order No. **GT-2165**
- Jobber \$489.99



Brake Lathe Centering Spring

- Fits any 1" arbor brake lathe
- 1.687" ID
- 1.927" OD
- 4.000" OAL
- Order No. **GT-3110**
- Jobber \$5.29



Mounting Spacers

- Fit all 1" arbor brake lathes

Length	Jobber	Order No.
1/2"	\$5.49	GT-3125
Flexible	39.99	GT-9492



Replacement Screw for Twin Cutter Tool Bit Holders

- Square Head Screw
- Order No. **GT-9249**
- Jobber \$1.99



Small Ammco Replacement Parts

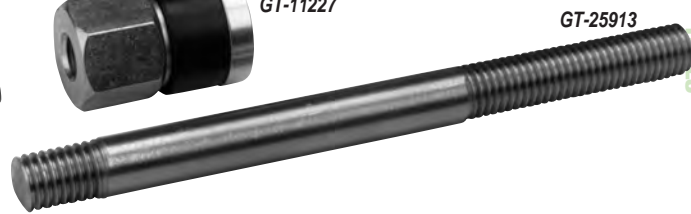
Description	Jobber	Order No.
Locking Knob	\$3.99	6854
Cross Feed Shear Gear with C-Clip	5.99	7996



GT-11227

Tooling Hold Down Pieces For Ammco

Description	Jobber	Order No.	Incl.
Stud Assembly	\$34.99	GT-25900	▼
6 1/2" Stud	9.99	GT-25913	x
Nut Assembly (must be used with 6 1/2" Stud)	23.99	GT-11227	x



GT-25913



"We pride ourselves on packaging our products carefully and professionally. We want you to receive your order quickly and in good condition."

- Brian, Goodson Receiving, 29 years of service

GOODTOOL
Now exclusively from Goodson

Screw Feed
Boot # 3086

Spindle
Boot
#3085

Cross Feed
Boot #3087

tech tips
from the techexperts™

Rubber is the standard
boot material on most brake lathes

Replacement Boot Packs

- Keep extra boots on hand for routine maintenance or emergency replacement
- Fits Ammco 3000, 4000, 4100, 7000, 7700



Description	Jobber	Order No.	Incl.
Rubber Boot Pack	\$79.99	RSB-BOOT-PK	▼
Rubber Spindle Boot Kit	49.99	RSB-KIT	▼
Rubber Spindle Boot	22.99	RSB-3085	x x
Neoprene Spindle Boot	21.29	3085	
Screw Feed Dust Boot	17.49	3086	x
Cross Feed Dust Boot	16.49	3087	x
Boot Ring	23.99	23682	x x
C-Clip	2.99	SBR-4435	x x
Snap Ring	3.99	SBR-3159	x x

Don't buy a new brake lathe ...
expand your existing one to
handle rotors up to 15"

Lead Screw Bushing

- Easy installation
- Increases lathe capacity to 15"
- Ideal for machining large rotors common on SUVs and large pick-ups
- Fits Ammco 3000 and 4000 Brake Lathes
- Order No. **LSB-78529** Jobber \$29.99



Carbide Tipped Brake Drum Swedge Cutting Tool

- Hard-to-find tool cuts wheel stud swedges to remove and replace pressed-in wheel studs
- Use with a drill press or mill
- For 1/2" stud
- Order No. **ST-500** Jobber \$94.99

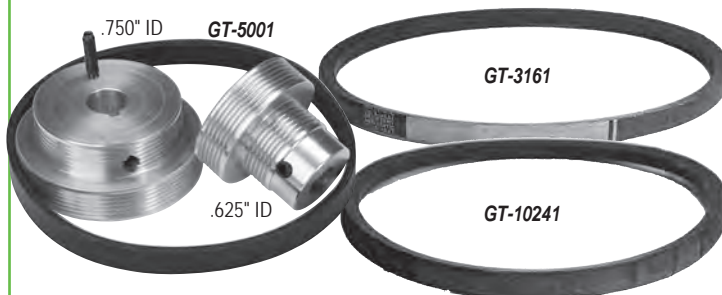


Brake Shoe Grinding Sleeves

ID	Length	Grit	Jobber	Order No.
3"	5 1/4"	40	\$5.99	AS-2
3"	6 5/8"	40	6.99	AS-4

Drive Pulleys & Belts for Ammco

- Fit Ammco 3000, 4000, 4100, 7000 & 7100
- Serpentine design runs quieter and increases arbor speed by 175RPMs • Virtually eliminates vibration



New-Style (Serpentine)

Description	Jobber	Order No.
Pulley Set (Includes 20 1/4" belt & 2 pulleys)	\$167.99	GT-5001
20 1/4" Belt	19.99	GT-5002
19" Belt	19.99	GT-5003

Original-Style (V-belt) Replacements

Description	Jobber	Order No.
25" Belt (replaces OE 3161)	9.99	GT-3161
24" Belt (replaces OE 10241)	11.79	GT-10241

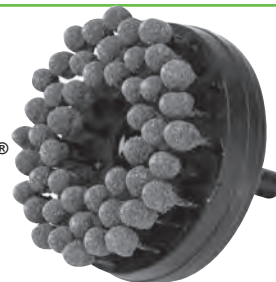
tech tips
from the techexperts™

Install the drive pulley with the pin toward the right angle drive. The roll-pins drive against each other. A nylon sleeve prevents metal to metal contact.

See page 72 for
more Flex-Hones®

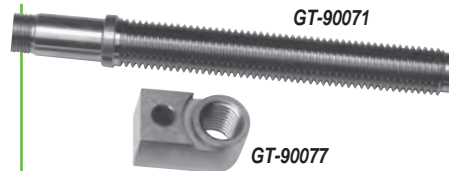
Brake Rotor Flex-Hones®

- Provide a non-directional finish
- Use with a 3/8" variable speed drill at 600-1000 RPM
- Zirconium abrasive
- Use dry



Type	Grit	Jobber 1+	Jobber 3+	Order No.
Fine	240	\$51.99	\$46.79	BRF-25F
Medium	120	51.99	46.79	BRF-25M
Coarse	60	51.99	46.79	BRF-25C

Order 3 or more Flex-Hones® (any combination) to Save 10% off Jobber!



Rotor Feed Screws & Nuts For FMC & Bean

Description	Jobber	Order No.
Rotor Feed Screw	\$54.99	GT-90071
Rotor Feed Nut	54.99	GT-90077

Brake Conditioning Spray

- Spray on rotors and drums to stop noise at the source
- OE approved spray-on metalizing treatment
- Effective from -100°F to +2000°F
- Prevents rust and seizure of lug nuts and threads
- Over spray won't damage calipers, rubber components or seals
- Aerosol*
- Order No. **BS-12***

Jobber 1+ \$17.99 ea., 12+ \$16.91 ea.
*Hazardous Fees Apply When Shipped By Air



Pastelub™ Synthetic High Temp Brake Lubricant

- OE recommended • High pressure resistant • Recommended for the backs of brake pads
- Not for use on friction surfaces
- 2400°F Ultra high-temperatures range
- Patented "real synthetic" Swiss formula won't melt, rub or wash off brake parts • Gray • No silicone or petroleum to weaken the carrier base
- Order No. **BPL-2400**

1+ Jobber \$17.99 ea.
12+ Jobber \$16.91 ea.



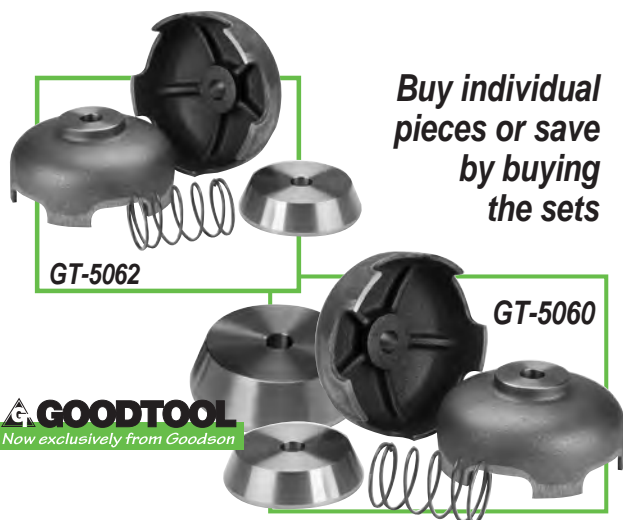
Ceramlub-2800™ Extreme High Temperature Lubricant

- Use on brake caliper slides, etc.
- Contains ceramic pressure solids and high concentrations of anti-corrosive agents
- Specifically designed for use on caliper slides, rubber seals & O-Rings
- A great complement to Pastelub™ Hi-Temp Lubricant
- Purple • Order No. **CBL-2800**

1+ Jobber \$17.99 ea.
12+ Jobber \$16.91 ea.



Buy a case of 12 (any combination BS-12, BPL-2400, CBL-2800), SAVE 10% off jobber



Buy individual pieces or save by buying the sets

GOODTOOL
Now exclusively from Goodson

Truck Mounting Adaptor Sets For Brake Lathes With 1" Arbors

Description	Jobber	Order No.	Incl.
Standard Truck Set	\$299.99	GT-5062	▼
Master Truck Set	384.99	GT-5060	▼
Centering Cones			
3.750" x 5.125"	99.99	GT-5053	1 1
4.500" x 5.500"	81.99	GT-5052	
5.000" x 6.125"	104.99	GT-5054	1
Bell Clamps			
6.500" OD	104.99	GT-5055	1 2
7.750" OD	132.99	GT-5056	1
Heavy-duty Spring	2.515" OD x 2.217" ID x 4" L	GT-5059	1 1

Automotive Brake Lathe Bell Clamps

OD Size: 4.500"	OD Size: 5.700"
Arbor Size: 1.000"	Arbor Size: 1.000"
Order No.: GT-9490	Order No.: GT-3123
Jobber: \$39.99	Jobber: \$69.99

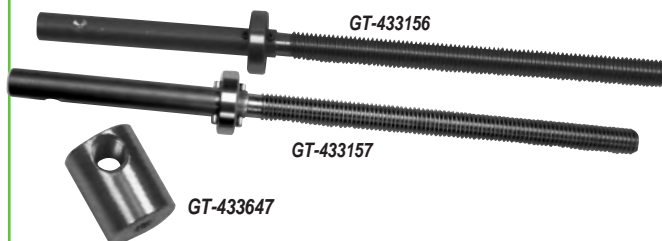


Brake Drum Grinding Wheels

- Aluminum-Oxide abrasive

For Van Norman / Rels 204, 300, 302, 303, 333 & 404 Drum Grinders

Size	OE No.	Shape	Jobber	Order No.
3" x 1/2" x 1"	8522	Recessed	\$19.99	GDV-304
3 1/2" x 1/2" x 1"	8931	Recessed	31.99	GDV-354



Assorted Accu-Turn Replacement Parts

Description	Jobber	Order No.
Rotor Feed Screw Assembly (1/2" 20TPI)	\$63.49	GT-433156
Drum Feed Screw Assembly (1/2" 13TPI)	63.49	GT-433157
Rotor Feed Bushing (fine thread)	32.99	GT-433647
Drum Feed Bushing (not shown) (coarse thread)	47.29	GT-433646

When using bell clamps and centering cones always be sure they are clean and free of any dirt or rust. Keep a light coating of oil on them to prevent rusting.

Never use a cone or a bell clamp for anything other than mounting a brake rotor or drum onto the brake lathe. Always use the largest bell clamp that will fit the rotor or drum for the best support.

tech tips
from the techxperts™

CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
CRANKSHAFT/
FLYWHEEL GRINDING
MISCELLANEOUS
TOOLS & SUPPLIES
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS



"From the time we answer the phone to when you receive your delivery, our goal is to get it right the first time and every time."

- Tina, Goodson Customer Service, 1 years of service

American Made

GOODSON

Precision Straight Edges

- 2 sizes to choose from
- Accuracy .0005" per foot
- Precision ground one edge
- .375" thick high quality heat-treated steel construction
- Each straight edge includes a hole for easy wall storage

Description	Jobber	Order No.
24" straightedge, 1 precision edge	\$129.99	DIS-24
36" straightedge, 1 precision edge	169.99	DIS-36



Rod Bolt Stretch Gauge

- Accurate to .001"
- Features a 1½" dial gauge
- Extra heavy-duty tension spring for repeatable accuracy
- For bolts from 1" to 2½" long

Description	Jobber	Order No.
Rod Bolt Stretch Gauge	\$79.99	RBSG-3
Optional Contact Point	11.99	ERBG-3T
Replacement Pointer	9.99	RBSG-P

tech tips
from the techxperts™

Most engine rod failures aren't from faulty parts, they're from improper installation. When you're installing connecting rods, you need to

check the rod bolt stretch by performing a series of torquing and loosening and recording the readings.

Here's how:

1. Torque the bolts to 15 foot pounds and measure the stretch. Record the reading, then loosen the bolts.
2. Repeat at 15 foot pounds and record the reading.
3. Repeat, increasing to 30 foot pounds, record the reading.
4. Repeat, increasing to 60 foot pounds, record the reading.
5. Repeat at 60 foot pounds and record the reading.

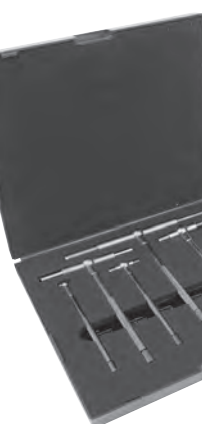
Each time you loosen the bolts, measure to be sure that the rod bolts have returned to within .001" of the starting size. If you have a greater variation, get rid of the rod bolts and start with new ones.

When you're conducting final assembly, be sure you use the stretch specified by your rod manufacturer. Attach a rod bolt stretch gauge to the connecting rod bolt and zero it. Use an extra-long box wrench to tighten until the proper stretch is achieved.

Mitutoyo

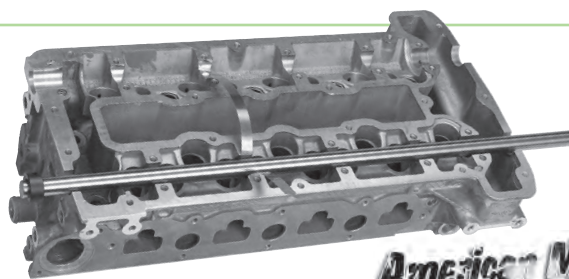
Small Hole Gauge Set

- See if rebuilding or replacement is needed by checking actual guide wear
- Check guide bosses for proper interference fit during replacement
- Check and maintain correct stem to guide ID clearance
- 4-piece set has combined range of .125"-.500" / 3.2-12.7mm
- Storage case included
- Order No. **SHG-5** Jobber \$139.99



6 Piece Telescoping Gauge Set

- Compress spring plunger and lock by twisting handle
- Insert into bore and release plunger – it will expand to fit
 - Lock again and remove
 - Measure with a micrometer
 - Double plunger design for consistent measuring
 - Long-lasting finish
 - Size range: ⅝" - 6"
- Order No. **MTG-6** Jobber \$133.99



American Made

47" Round Warp Gauge

- Use with feeler gauges (below)
- ¾" diameter tool steel
- Includes anti-roll collar and eye bolt allowing you to hang it for safe, convenient storage
- Order No. **EWG-100** Jobber \$159.99



12" Feeler Gauges

- Measure piston-to-wall clearance when honing, to find ring end gap and to check cylinder heads with a straight-edge
- Also useful for shimming while straightening heads and for machine set-ups

	Jobber	Order No.	
Complete Kit	\$39.99	FE-KIT	▼
Thick .0015"	6.99	FE-0015	x
.0020"	6.99	FE-002	x
.0030"	6.99	FE-003	x
.0040"	6.99	FE-004	x
.0050"	6.99	FE-005	x
.0060"	6.99	FE-006	x
.0070"	6.99	FE-007	x
.0080"	6.99	FE-008	x
.0090"	6.99	FE-009	x
.0100"	6.99	FE-010	x
.0150"	6.99	FE-015	x
.0200"	6.99	FE-020	x

Mitutoyo

Split Ball Bore Gauge

- Dial gauge with large contact area
- Measures quickly & accurately to .0001"
- Works in threaded or knurled guide IDs
- Range: .280"-.400" • Easy to change contacts
- Order No. **MVG-34** Jobber \$649.99





Build Your Own Valve Guide Gauge Set! Order the Valve Guide Gauge (P-300), Setting Fixture (P-610A) and the Valve Guide Probe you need.

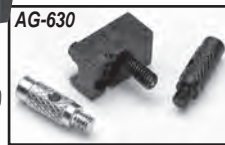
Valve Guide Gauge Set

- The only way to be sure clearance is correct is to gauge it
- Checks all types of guides for size and roundness FAST
- Set up and measure valve guide IDs quickly and easily
- Complete set includes gauge, 3 probes (.312", .344" and .375"), hex wrench, setting fixture and metal storage case with spaces for all components
- Dial calibrated in .0002" increments

Description	Jobber	Order No.	Incl.
Complete Valve Guide Gauge Set	\$2262.36	P-310	▼
Valve Guide Gauge	679.41	P-300	x
Setting Fixture	652.46	P-610A	x

Valve Guide Probes			
Size	Range in.	mm	
.236"	.244" to .264"	5.69 to 6.71	\$391.48 P-236
.250"	.238" to .278"	6.05 to 7.05	405.67 P-250
.281"	.269" to .309"	6.83 to 7.85	421.27 P-281
.312"	.300" to .340"	7.62 to 8.64	422.68 P-312 x
.344"	.332" to .372"	8.43 to 9.45	449.64 P-344 x
.375"	.363" to .403"	9.22 to 10.24	451.04 P-375 x
.406"	.394" to .434"	10.01 to 11.02	465.23 P-406
.438"	.426" to .466"	10.82 to 11.84	479.41 P-438
.469"	.457" to .497"	11.61 to 12.62	493.60 P-469
.500"	.488" to .528"	12.40 to 13.41	523.39 P-500

⚠ WARNING: Operating, servicing and maintaining a passenger vehicle or off-road vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to www.P65Warnings.ca.gov/products/passenger-vehicle.



Sunnen® AG-Series Precision Gauge

- Dial reads directly in "tenths" (.0001")
- Checks rod journal bore for distortion
- Measures size instantly
- Wear-compensated gauge points for permanent accuracy
- Rugged construction – all moving parts are enclosed in the housing
- Includes Point Sets listed below (optional point sets are available, call for information)

Description	Jobber	Order No.
.375" - 3.375" (9.5 - 85.7mm) Range Gauge	\$4219.74	AG-300
Standard Point Set (.720" - 1.530" Range)	59.85	AG-210
Medium Point Set (1.50" - 2.25" Range)	88.65	AG-620
Large Point Set (1.932" - 2.687" Range)	88.65	AG-630
Sun-Dura® Gauge Cover (8"L x 8"H x 4"D)	36.99	GMC-AG300

Point sets will NOT fit AG-gauges lower than Serial No. 4000



Distributor Depth Gauge

Working on a Big Block or Small Block Chevy with a distributor? Avoid problem wear and potential failure caused by a distributor that fits too deep. This easy to use gauge measures the depth of engagement allowing you to compensate to create adequate clearance. Kit comes complete with a .500" diameter adaptor. An optional .491" shaft is also available.

Description	Jobber	Order No.
Distributor Depth Gauge Kit	\$229.99	DDG-05
.491" Shaft	64.99	DDG-491

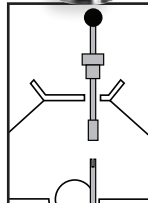


Fig. 1
Insert depth gauge in place of distributor. Bottom out in oil pump drive.

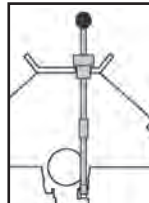


Fig. 2
Push down on the top collar, making contact with manifold.

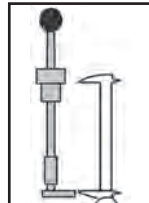


Fig. 3
Remove depth gauge from engine. Install adaptor in distributor tool. Measure and record depth.

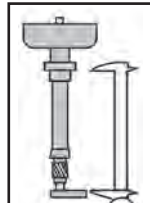


Fig. 4
Install adaptor in distributor drive. Measure as before and compare. Shim as needed to create clearance.

CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
FLYWHEEL GRINDING
CRANKSHAFT/
MISCELLANEOUS
TOOLS & SUPPLIES
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS



Mitutoyo

Dial Bore Gauge Set

- Rugged bore gauge with protected dial
- Carbide tipped contact points
- .0001" (.001mm) graduations • Indication stability: .00008"
- Accuracy: .0002" • Shoe can be rotated for a fresh wear surface • Sets up with a standard micrometer (see page 120) or **DBG-FIX** (pictured above)

Range	Description	Jobber	Order No.
2.0"-6.0"	11 anvils and 4 spacers	\$549.99	MMCB-06
Replacement Spacers for anvils 2" & larger	.020"	9.99	MMCB-06-020
	.040"	9.99	MMCB-06-040
	.080"	9.99	MMCB-06-080
	.120"	9.99	MMCB-06-120
Replacement Lens		21.99	MMCB-06LENS
Replacement Dial Indicator		209.99	MMCB-06IND
Replacement Dial Cover		27.99	MMCB-06COVER



0.0005" Graduation Dial Bore Gauge

- Includes: .050" travel indicator, 3 spacers (.100", .050" and .020"), 11 anvils and storage case
- Use for precise bore measurements
- Bore depth: 6" • Range: 2" to 6"

Description	Jobber	Order No.
Dial Bore Gauge	\$174.99	EBG-265
11 Piece Replacement Spacer Set	36.99	EBG-ANVILS



Metric Dial Bore Gauge

- Carbide anvils
- Easy-to-read gauge
- Insulated grip with chrome plated handle
- Includes: extension holder and fitted case
- Range: 35 to 160mm
- Graduations : 0.01mm
- Order No. **MCBG-160** Jobber \$204.99



0.7" to 1.5" Range Cylinder Dial Bore Gauge Set

- Carbide anvils • Easy to read gauge
- Measure cylinders up to 9.5" deep
- Graduations: 0.0005" • Self-centering • Insulated grip
- Chrome plated handle • Includes extension holder and case • Order No. **FBG-7** Jobber \$154.99



Internal Electronic Caliper

- Ideal for measuring mating port runners and bowl diameters
- Hardened contact surfaces
- Robust housing with large LCD display
- Range: 0.5" to 6.0" • Reading: .01" (.3mm) / 1/64th
- Spring loaded locking nut
- Order No. **IEC-56** Jobber \$57.99



1.4" to 6" Range Cylinder Dial Bore Gauge Set

- Carbide anvils • Easy to read gauge
- Measure cylinders up to 9.5" deep • Graduations: 0.0005"
- Self-centering • Insulated grip • Chrome plated handle
- Includes extension holder and case
- Order No. **FBG-146** Jobber \$189.99

Mounts on Your Pilot



Valve Seat Height Gauge

Includes Dial Indicator

- Confirm seat height to fire deck location
- Adjusts for all popular seat diameters
- Accurate to .001"
- Seat contact probe aligns on valve seat while gauge rides along the fire deck
- Pilot aligns in valve guide (pilot sold separately)
- Adjustable to fit popular seat diameters from .750" to 3.00"

Description	Fits Pilot	Jobber	Order No.
Valve Seat Height Gauge Kit	.375"	\$94.99	VSHG-375
Replacement Dial Indicator		28.99	EDI-1

Sunnen® Dial Bore Gauges

Sunnen® Dial Bore Gauges



- Standard Sunnen® Dial Bore Gauges read out in tenths
- Also available in five-tenths and metric (special order)
- Diameter ranges from .495" to 6.000" (see chart for gauge ranges)
- All models below feature all-carbide gauging points, wear-proof ball crank and adjustable centralizers
- Include molded storage case with all tools and wrenches required for setup and adjustment

GA-4141

- Measures to within .200" of the bottom of a blind bore
- Carbide balls replaceable in the indicating fingers only
- Set with SCF-502 Setting Fixture
- Non-retractable gauge

GR-6241

- Measures to within .270" of the bottom of a blind bore
- Carbide balls replaceable in the indicating fingers only
- Set with SCF-502 Setting Fixture
- Retractable gauge

GR-9241

- Measures to within .335" of the bottom of a blind bore
- Carbide balls replaceable in indicating fingers and extension points
- Set with SCF-502 Setting Fixture
- Retractable gauge

GA-2121 / GA-2125 / GR-2121 / GR-2241 / GR-2245

- Measures to within .500" of the bottom of a blind bore
- Carbide balls replaceable in indicating fingers and extension points • Use CF-1126 Setting Fixture
- Non-retractable gauge

Shock-Shield protects dial from hand heat and jarring to assure accurate reliable readings.

All standard Sunnen Dial Bore Gauges are TENTH READING. Metric and .0005" readouts are also available (special order). Dial can be indexed 90° for easy reading at any angle.

Adjustable centralizers for proper centering over the entire diameter range. One twist adjusts gauge tension so head goes into and out of any size hole smoothly.

Patented wear-proof ball crank assures repeatability over a long life.

Carbide indicating points are long wearing and replaceable.

Transfer Rod

Indexable Centralizer Points

Diameter Range		Max Gauging Depth		Overall Length		.0001" Reading		.0005" Reading	
in	mm	in	mm	in	mm	Jobber	Order No.	Jobber	Order No.
.495" to .750"	12.6 to 19.0	7.00"	175	11.8125"	302	\$1219.82	GA-4141	-----	-----
.740" to 1.19"	18.9 to 30.2	12.00"	300	17.6875"	451	1347.48	GR-6241	-----	-----
1.18" to 2.00"	30.0 to 50.8	12.00"	300	17.75"	452	1347.48	GR-9241	-----	-----
2.00" to 6.00"	50.0 to 150.0	12.00"	300	17.00"	432	1226.92	GA-2121	\$1226.92	GA-2125
2.00" to 6.00"	50.0 to 150.0	12.00"	300	17.00"	432	1453.86	GR-2121	-----	-----
2.00" to 6.00"	50.0 to 150.0	24.00"	600	29.00"	737	1453.86	GR-2241	1468.04	GR-2245

Small Diameter Dial Bore Gauge & Accessories

- Dial Bore Gauge assembly consists of .0001" (.002mm) reading indicator, probe retractor and probe retainer bushing in a reinforced nylon insulating shroud
- Dial Bore Gauge diameter range: 0.054" to 0.535" (1.37 to 13.6mm)

Description	Jobber	Order No.
1-Small Diameter Dial Bore Gauge	\$1028.34	GR-3000
2-Adjustable Probes	Range in	mm
	.165" to .189"	4.191 to 4.800 231.19 G-1180
	.185" to .209"	4.699 to 5.308 224.10 G-1200
	.205" to .228"	5.207 to 5.791 231.19 G-1220
	.224" to .248"	5.689 to 6.299 231.19 G-1240
	.244" to .268"	6.198 to 6.807 224.10 G-1260
	.264" to .287"	6.706 to 7.290 224.10 G-1280
	.283" to .307"	7.188 to 7.798 224.10 G-1300
	.303" to .327"	7.696 to 8.306 224.10 G-1320
	.323" to .346"	8.204 to 8.788 224.10 G-1340
	.343" to .366"	8.712 to 9.296 224.10 G-1360
	.362" to .386"	9.195 to 9.804 224.10 G-1380
3-Transfer Pin (fits all probes above)	163.10	G-2264
4-Probe Extension	194.33	KZIX-3500

How to Order:

1 - Gauge

2 - Probe

3 - Transfer Pin

4 - Probe Extension



CF-1126 shown with GR-2121

SCF-502 with CF-540 Size Setting Adaptor shown with GR-3000 Gauge

SCF-502 shown with GR-6241

Dial Bore Gauge Setting Fixtures

- Models combine to cover a continuous range of .054" to 8" in .0001" increments
- Heavy stress-relieved cast iron bases
- Lapped carbide micrometer anvils
- Built-in magnifier
- Each setting fixture includes a master calibrating ring
- Size Setting Adaptor centers gauge probes between parallel reference surfaces on SCF-502 Setting Fixture

Range	Jobber	Order No.
.054" to 2.00"	\$2163.06	SCF-502
Size Setting Adaptor	1028.34	CF-540
2.00" to 8.00"	2148.88	CF-1126

Gauges & Setting Fixtures Sold Separately

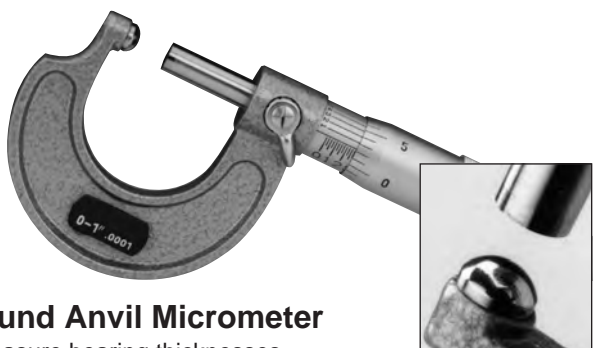




Premium Micrometers

- Precision ground carbide anvil parallel to within .0001"
- .0001" graduations
- Set includes wood storage case

Description	Range	Jobber	Order No.	Incl.
Micrometer Set	(wood storage case)	\$299.99	EMS-06	▼
Individual Micrometers	0"-1"	39.99	EMIC-01	x
	1"-2"	44.99	EMIC-12	x
Each Micrometer	2"-3"	49.99	EMIC-23	x
includes a Standard,	3"-4"	59.99	EMIC-34	x
Spanner Wrench & Case	4"-5"	69.99	EMIC-45	x
	5"-6"	69.99	EMIC-56	x



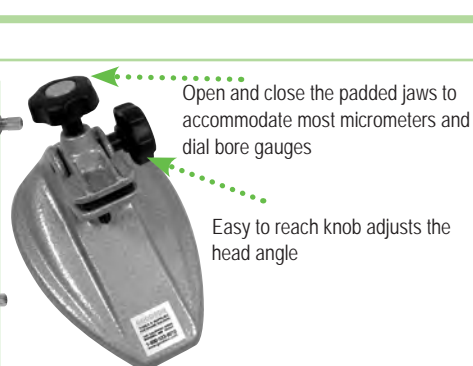
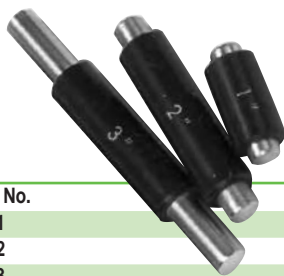
Round Anvil Micrometer

- Measure bearing thicknesses
- Ratchet spindle • 0-1" range • Precise to .0001"
- Order No **MIC-01-B** Jobber \$117.99

Checking Standards

- Use to set up dial indicators in special application gauging and to check micrometer accuracy
- Made of hardened, ground and lapped tool-steel
- Meet or exceed federal accuracy specifications

Length	Jobber	Order No.
1"	\$11.99	MCS-1
2"	12.99	MCS-2
3"	13.99	MCS-3

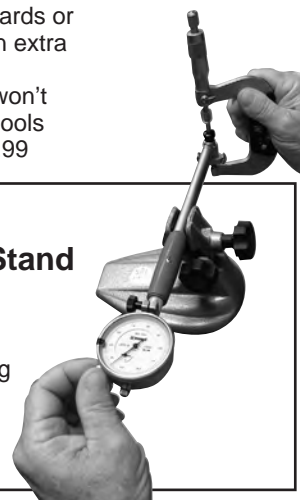


Micrometer Stand

- Heavy cast iron construction
- Use to hold micrometers, standards or just about anything you need an extra hand for
- Swivel head and padded jaws won't damage expensive measuring tools
- Order No. **MIC-FIX** Jobber \$22.99

Use the Micrometer Stand When Setting Your Dial Bore Gauge

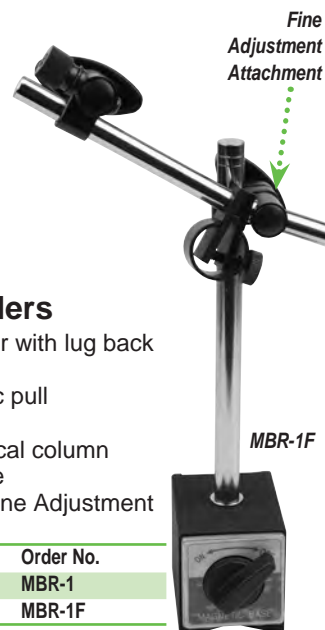
Read more about it on our blog at www.goodson.com. Search for Dial Bore Gauge

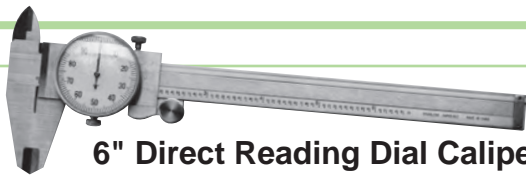


Universal Magnetic Base Holders

- Fit any type of dial indicator with lug back
- Magnetic base features an on-off switch with magnetic pull of 110 pounds
- 5/8" diameter 7 1/4" high vertical column
- 3.45" x 1.97" x 2.187" base
- Available with or without Fine Adjustment Feature

Description	Jobber	Order No.
Universal Holder	\$39.99	MBR-1
With Fine Adjustment	41.99	MBR-1F





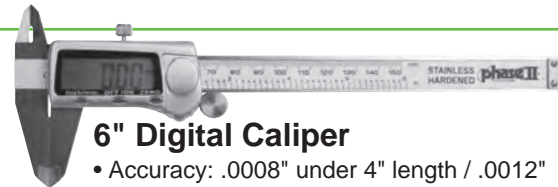
6" Direct Reading Dial Caliper

- Four way measurement - outside, inside, depth and step
- Hardened stainless steel with satin chrome finish
- Precision ground and lapped measuring surfaces
- Reads direct to .001" or with .100" graduations on beam
- Adjustable bezel with lock
- Thumb roll with lock
- 1 1/8" jaw length
- Large easy to read dial
- Covered rack • Deluxe fitted case
- Order No. **MDC-03** Jobber \$74.99



12" Direct Reading Dial Caliper

- .001" single revolution • Hardened measuring face
- Precision Ground • Micro-lapped for accuracy
- Adjusting slide for fine adjustment
- Take Inside, Outside and Depth measurements
- Satin Chrome finish with engraved graduations
- Clamp for repetitive readings
- Accurate to .001" per 6"
- Covered Rack • Deluxe fitted case
- Order No. **EDC-12** Jobber \$139.99

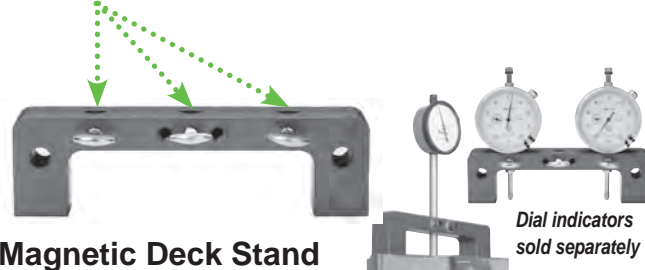


6" Digital Caliper

- Accuracy: .0008" under 4" length / .0012" over 4" length
- .0005" (.01mm) resolution
- Automatic floating zero
- Used to take Inside and Outside measurements
- Direct inch/metric Conversion
- Large, high-contrast LCD display
- On/Off Button • Deluxe fitted case

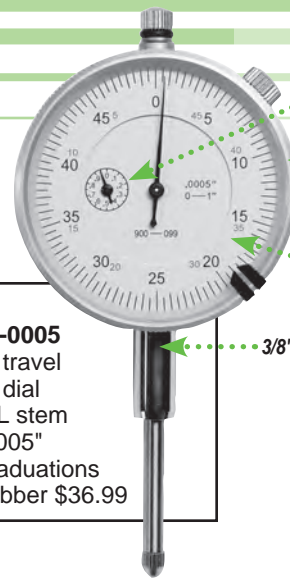
Description	Jobber	Order No.
Digital Caliper	\$62.99	EEDC-06
Replacement Battery	5.99	EDC-06B

Use with a one or more dial indicators



Magnetic Deck Stand

- Precision manufactured with 6 to 8 pounds of magnetic pull yet slides smoothly over the piston dome and deck
- Should only be used with dial indicators (sold separately) in upright position - perpendicular to the ground
- Order No. **MDBS-2** Jobber \$92.99



EDI-0005

- 1" travel
- 2" dial
- 1"L stem
- .0005" graduations
- Jobber \$36.99

Revolution Counter
(included on most models)

Adjustable bezel
for zero settings

Shatter resistant crystal

3/8" stem

All Indicators
have lug back



EDI-1

- 1" travel • 2" dial
- 1"L stem
- .001" graduations
- Jobber \$28.99



MDI-2

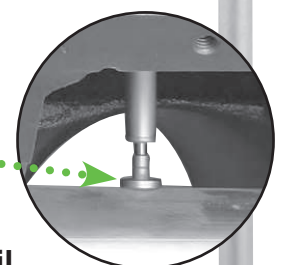
- 2" travel • 3" dial
- 2"L stem
- .001" graduations
- Jobber \$72.99



MDI-12

- .125" travel
- 2" dial
- 12"L stem
- .001" graduations
- Jobber \$399.99

Starrett
Goodson
exclusive



Dial Indicator Flat Anvil

- Use with dial indicator (sold separately) to make full contact on surface to be measured
- Especially useful when measuring deep inside blocks in combination with our magnetic deck stand (MDBS-2 at left)
- Order No. **MDI-12A** Jobber \$29.99

CYLINDER HEAD REBUILDING
CLEANING, ASSEMBLY & SAFETY
SHORT BLOCK REBUILDING
CRANKSHAFT/GRINDING
MISCELLANEOUS TOOLS & SUPPLIES
BRAKE SERVICE TOOLING
MEASURING TOOLS
V-TWIN & METRIC HARD PARTS

... another
satisfied
customer

"Just received my order — two days earlier than expected. Thanks for expediting my order so I can complete the job for my customer."

— Marvin Davenport, Davenport Racing - Goodson Customer since 2014

Milwaukee-Eight™ Valves, Seals, Guides & Springs

new

White Diamond® Hard Chrome

Replacement Valves for Milwaukee-Eight™ Heads

- 1-piece forged with White Diamond® hard chrome stems for impervious wear resistance
- Inconel® 751 exhaust valves designed to outperform in the most extreme forced induction or racing applications
- Flow bench tested to optimize intake and exhaust profiles

Type	Head Dia.	Stem Dia.	Radius	Angle	OAL	MSRP	Jobber	Order No.	Material	Supersedes
Intake	1.571" (39.90mm)	0.2347"	0.235"	10°	4.015"	\$34.99	\$27.99	20-21012H	Chrome	20-21012
Intake	1.614" (41.00mm)	0.2347"	0.235"	15°	4.035"	34.99	27.99	20-21060H	Chrome	—
Intake	1.630" (41.40mm)	0.2347"	0.235"	10°	4.055"	34.99	27.99	20-21009H	Chrome	20-21009
Intake	1.654" (42.01mm)	0.2347"	0.235"	15°	4.032"	34.99	27.99	20-21061H	Chrome	20-21014
Exhaust	1.264" (32.11mm)	0.2342"	0.460"	24°	4.050"	34.99	27.99	20-21016H	Chrome	20-21016
Exhaust	1.284" (32.61mm)	0.2342"	0.460"	24°	4.050"	34.99	27.99	20-21017H	Chrome	20-21017



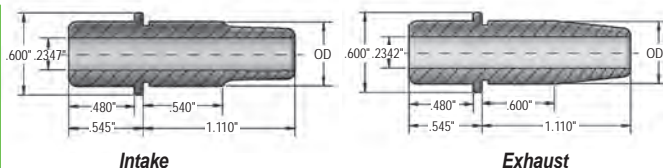
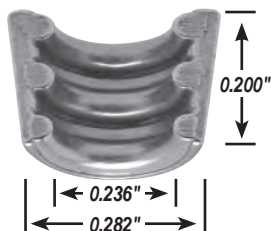
Milwaukee-Eight™ Tophat Valve Seal

- Designed to fit Milwaukee-Eight™ Valve Guides
- 6.0mm Stem Diameter
- 0.712" Overall Length • 1.170" Seal OD
- For intake and exhaust • 16 pack
- Order No. **71046-16**
- MSRP \$32.16 | **Jobber \$22.99**



Milwaukee-Eight™ Replacement Keepers

- Fits 7° x 0.236" Stem
- Triple Radius Bead
- 8 pairs per package
- Order No. **51029-8**
- MSRP \$66.61 | **Jobber \$45.94**



Milwaukee-Eight™ Manganese Bronze Valve Guides

- Use with 6mm seals (71046 or OE)

Intake				Manganese Bronze	Cast Iron
OD	ID	OAL	Size		
.4750"	.2347"	1.655"	Std.	20-21020M	20-21020C
.4760"			+ .001"	20-21021M	20-21021C
.4770"			+ .002"	20-21022M	20-21022C
.4850"			+ .010"	20-21029M	20-21029C
Exhaust				Manganese Bronze	Cast Iron
OD	ID	OAL	Size		
.4750"	.2342"	1.655"	Std.	20-21030M	20-21030C
.4760"			+ .001"	20-21031M	20-21031C
.4770"			+ .002"	20-21032M	20-21032C
.4850"			+ .010"	20-21039M	20-21039C
MSRP				\$13.12	\$8.83
Jobber				\$9.05	\$6.19

Milwaukee-Eight™ Beehive Valve Spring Kits

- Advanced spring design with special attention to cam and spring harmonics, stress, mass and operating RPM
- Premium-grade, super clean ground chrome silicon wire • Heat-treated and shot peened for long life



.465" Max Lift Beehive Valve Spring Kit With Titanium Retainers

- Includes 8 retainers, 8 springs and 8 base washers
- Installed Height: 1.410"
- Seat Pressure: 80 lbs.
- Open Pressure: 212 lbs. at .465"
- Order No. **20-21000**
- MSRP: \$313.38 | **Jobber: \$216.12**

.465" Max Lift Beehive Valve Spring Kit With Heat Treated Steel Retainers

- Includes 8 retainers, 8 springs and 8 base washers
- Installed Height: 1.410"
- Seat Pressure: 80 lbs.
- Open Pressure: 212 lbs. at .465"
- Order No. **20-21050**
- MSRP: \$250.70 | **Jobber: \$172.90**

.550" Max Lift Beehive Valve Spring Kit With Titanium Retainers

- Supersedes #20-21200
- Includes 8 retainers, springs, base washers and viton tophat seals
- Installed Height: 1.550"
- Seat Pressure: 85 lbs.
- Open Pressure: 257 lbs. at .550"
- Order No. **20-21205**
- (supersedes 20-21200)
- MSRP: \$398.05 | **Jobber: \$286.99**



Solid Viton Seals With Metal Jacket & Choker Spring

• 16 Per Package

Stem Dia.	OAL	Seal OD	A	D	MSRP	Jobber	Order No.	Supersedes
7.0mm	0.510"	0.665"	0.560"	0.375"	\$50.25	\$34.66	71028	HVS-7MM
.312"	0.412"	0.566"	0.420"	0.275"	25.73	17.79	71010	HVS-421
.312"	0.514"	0.671"	0.530"	0.330"	50.25	34.66	71045	HVS-531
.375"	0.516"	0.661"	0.562"	0.375"	29.37	20.26	71011	

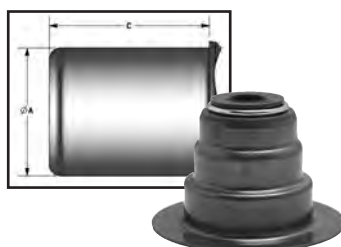


Solid Viton Seals With Metal Jacket & Integral Spring Base

• 16 Per Package

• Spring Shoulder Diameter: 0.970"

Stem Dia.	OAL	Seal OD	A	C	MSRP	Jobber	Order No.	Supersedes
7.0mm	0.974"	1.457"	0.560"	0.700"	\$36.94	\$25.48	71030	HV-7MMOE



OE Style Seals Solid Teflon With Metal Jacket

16 Per Package

Stem Dia.	OAL	Seal OD	A	D	MSRP	Jobber	Order No.	Supersedes
.312"	0.385"	0.565"	0.420"	0.315"	\$29.37	\$20.26	71032	HSS-420
.312"	0.375"	0.630"	0.530"	0.295"	29.37	20.26	71033	HSS-530312
.343"	0.375"	0.630"	0.530"	0.365"	29.37	20.26	71034	HSS-530343
.375"	0.375"	0.660"	0.562"	0.315"	29.37	20.26	71035	HSS-562
.375"	0.400"	0.720"	0.625"	0.310"	29.37	20.26	71036	HSS-625



6061-T6 Aluminum Seal Drivers

These installation tools for OE style seals are manufactured from high strength 6061-T6 Aluminum for increased durability when compared to plastic installers.

Application	Color	Fits Seal Up To	Order No.
Evolution	Red	0.575"	20-20830
Pan/Shovelhead 74"	Black	0.673"	20-20833
Ironhead Sportster	White	0.638"	20-20832
Shovelhead 80"	Blue	0.758"	20-20831

MSRP: \$7.27

Jobber \$5.99



Valve Seat Inserts

- For Harley-Davidson®
- Easy to machine
- Effectively dissipate heat for consistent valve sealing
- Hardness increases during engine break-in
- Radiused for easy installation



Replacement Valve Seats For Shovel Head 1200 & 1340

Application	OD	ID	Thick	MSRP	Jobber	Order No.	Supersedes
Exhaust	1.944"	1.575"	.400"	\$10.12	\$7.29	10-HC493	HVS-1944
Intake	2.135"	1.750"	.400"	10.12	7.29	10-HC542	HVS-2135

Overize Seats For Shovel, Evolution, Twin Cam & M8 – machining required

	OD	ID	Thick	MSRP	Jobber	Order No.	Supersedes
Fits M8	1.630"	1.180"	.385"	\$10.12	\$7.29	10-HC414	HVS-1630
	1.757"	1.410"	.430"	10.12	7.29	10-HC447	HVS-1757
	1.882"	1.520"	.410"	10.12	7.29	10-HC478	HVS-1882
	2.008"	1.610"	.440"	10.12	7.29	10-HC510	HVS-2008
	2.040"	1.700"	.425"	10.12	7.29	10-HC518	HVS-2040
	2.070"	1.610"	.460"	10.12	7.29	10-HC526	HVS-2070
	2.132"	1.800"	.460"	10.12	7.29	10-HC541	HVS-2132
	2.163"	1.750"	.455"	10.12	7.29	10-HC549	HVS-2163

For Iron Head Sportster

Application	OD	ID	Thick	MSRP	Jobber	Order No.	Supersedes
Exhaust	1.757"	1.371"	.430"	\$10.12	\$7.29	10-HC446	HVS-1757S
Intake	2.068"	1.750"	.315"	10.12	7.29	10-HC525	HVS-2068

Universal Repair Seat

	OD	ID	Thick	MSRP	Jobber	Order No.	Supersedes
Powdered	1.339"	1.024"	.375"	\$10.12	\$7.29	10-SC340	MVS-42
Metal	1.693"	1.299"	.434"	10.12	7.29	10-SC430	MVS-58
	1.819"	1.375"	.450"	10.12	7.29	10-HC462	HVS-1820
	1.945"	1.500"	.450"	10.12	7.29	10-HC494	HVS-1945
	2.256"	1.870"	.450"	10.12	7.29	10-HC573	HVS-2257

Nickel Chrome Valve Seats on Page 14

tech tips When installing seats preheat head to 400° and freeze the seat for easier installation. Press fit .006" to .008".

.421" Valve Seal Cutter

- Evo/Twin Cam
- Will shorten and re-chamfer the guide top, increasing seal-to-retainer clearance for higher lift camshafts
- Can also be used to modify .530" guides to .421" guides
- Guide OD: .421" • Pilot Size: .312"
- Use with 71010 seal (above)
- Order No. **VSC-420312**

Jobber \$119.99

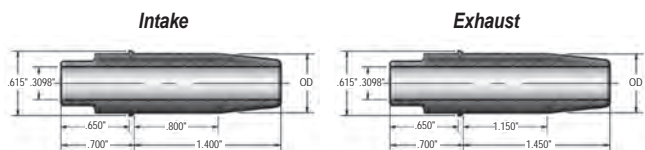




Guide Driver for Reduced Diameter Top Valve Guides

The guide top fits into the groove between the driver and the bushing to center and drive the guide into place. Puts pressure on the step top of the guide, not the seal area. Required for installing 20-2120 & 20-2130 series guides (below).

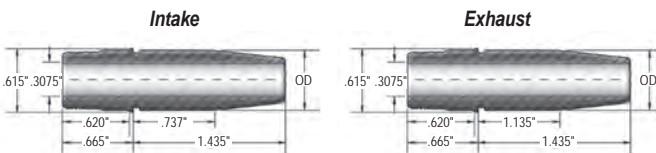
Order No. **VGD-315420** Jobber \$42.99



Evolution, Twin-Cam & Evo Sportster With 5/16" Valves (.420" Guide Top)

• Use with 71010 Viton Seals or 71032 OE Style Seals

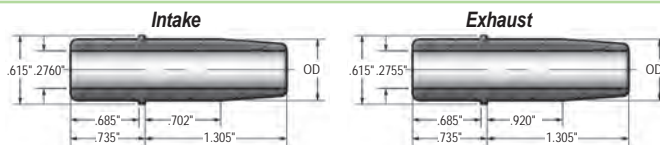
Intake				Manganese Cast		
OD	ID	OAL	Size	Bronze	Iron	Supersedes
.5620"	.3098"	2.100"	Std.	20-2120M	20-2120C	
.5630"			+.001"	20-2121M	20-2121C	HVG-5600S
.5640"			+.002"	20-2122M	20-2122C	HVG-5601S
.5720"			+.010"	20-2129M	20-2129C	
Exhaust				Manganese Cast		
OD	ID	OAL	Size	Bronze	Iron	Supersedes
.5620"	.3098"	2.150"	Std.	20-2130M	20-2130C	
.5630"			+.001"	20-2131M	20-2131C	HVG-5700S
.5640"			+.002"	20-2132M	20-2132C	HVG-5701S
.5720"			+.010"	20-2139M	20-2139C	
MSRP				\$13.12	\$8.83	
Jobber				\$9.05	\$6.19	



Evolution, Twin-Cam & Evo Sportster With 5/16" Valves (.530" Top Guides)

• Use with 71045 Viton Seals

Intake				Manganese Cast		
OD	ID	OAL	Size	Bronze	Iron	Supersedes
.5625"	.3075"	2.100"	Std.	20-20860M	20-20860C	HVG-5600
.5635"			+.001"	20-20861M	20-20861C	HVG-5601
.5645"			+.002"	20-20862M	20-20862C	HVG-5602
.5725"			+.010"	20-20869M	20-20869C	
Exhaust				Manganese Cast		
OD	ID	OAL	Size	Bronze	Iron	Supersedes
.5625"	.3096"	2.100"	Std.	20-20870M	20-20870C	HVG-5700
.5635"			+.001"	20-20871M	20-20871C	HVG-5701
.5645"			+.002"	20-20872M	20-20872C	HVG-5702
.5725"			+.010"	20-20879M	20-20879C	
MSRP				\$13.12	\$8.83	
Jobber				\$9.05	\$6.19	



Twin Cam & Evo Sportster w/ 7mm Valves

• Use with 71028 (0.562") Viton Seals

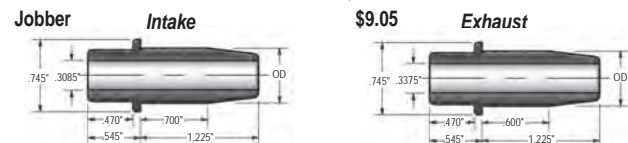
Intake				Manganese Cast		
OD	ID	OAL	Size	Bronze	Iron	Supersedes
.5625"	.2760"	2.040"	Std.	20-20690M	20-20690C	HVG-6600
.5635"			+.001"	20-20691M	20-20691C	HVG-6601
.5645"			+.002"	20-20692M	20-20692C	HVG-6602
.5725"			+.010"	20-20699M	20-20699C	
Exhaust				Manganese Cast		
OD	ID	OAL	Size	Bronze	Iron	Supersedes
.5620"	.2755"	2.040"	Std.	20-20700M	20-20700C	HVG-6700
.5630"			+.001"	20-20701M	20-20701C	HVG-6701
.5640"			+.002"	20-20702M	20-20702C	HVG-6702
.5720"			+.010"	20-20709M	20-20709C	

MSRP

\$13.12

Jobber

\$9.05



Sportster (1970-1983)

• Use with 71033 (intake) & 71034 (exhaust) OE-Style Seals

Intake				Manganese Cast		
OD	ID	OAL	Size	Bronze	Iron	Supersedes
.5650"	.3085"	1.770"	Std.	20-2320C	20-2320C	HVG-5100C
.5660"			+.001"	20-2321C	20-2321C	HVG-5101C
.5670"			+.002"	20-2322C	20-2322C	HVG-5102C
.5750"			+.010"	20-2329C	20-2329C	
Exhaust				Manganese Cast		
OD	ID	OAL	Size	Bronze	Iron	Supersedes
.5650"	.3375"	1.770"	Std.	20-2330C	20-2330C	HVG-5200C
.5660"			+.001"	20-2331C	20-2331C	HVG-5201C
.5670"			+.002"	20-2332C	20-2332C	HVG-5202C
.5750"			+.010"	20-2339C	20-2339C	
MSRP/Jobber				\$8.83/\$6.19		

Shovel Head 80" (78-83)

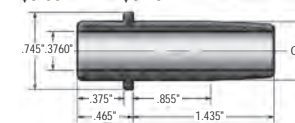
• Use with 71036 OE Style Seals

Intake or Exhaust				Manganese Cast		
OD	ID	OAL	Size	Bronze	Iron	Supersedes
.6250"	.3745"	1.910"	Std.	20-2050M	20-2050C	HVG-5400
.6260"			+.001"	20-2051M	20-2051C	HVG-5401
.6270"			+.002"	20-2052M	20-2052C	HVG-5402
.6500"			+.025"	20-50HSM	20-50HSC	
MSRP				\$13.12	\$8.83	
Jobber				\$9.05	\$6.19	

Shovel & Pan Heads

• Use with 71011 Viton seals
or 71035 OE Style Seals

Intake or Exhaust				Manganese Cast		
OD	ID	OAL	Size	Bronze	Iron	Supersedes
.5650"	.3760"	1.900"	Std.	20-2020M	20-2020C	
.5660"			+.001"	20-2021M	20-2021C	
.5670"			+.002"	20-2022M	20-2022C	
.5680"			+.003"	20-2023M	20-2023C	
.5750"			+.010"	20-2029M	20-2029C	
MSRP				\$13.12	\$8.83	
Jobber				\$9.05	\$6.19	





High Performance Valves

Black Diamond™ & White Diamond® Valves for Harley-Davidson® Engines

- **Light and strong with optimum airflow** A combination of stress analysis and flow bench testing for optimally balanced valve mass, strength and airflow characteristics.
- **Black Diamond™ Valves** One piece forged stainless steel valves impregnated by a special German process to improve wear properties and reduce friction. Provides resistance to corrosion and superior wear.
- **Chrome Diamond® Valves** One piece forged with White Diamond® hard chrome stems. Inconel® 751 exhaust valves are designed to perform even in the most extreme conditions. Flow bench tested to optimize intake and exhaust profiles.

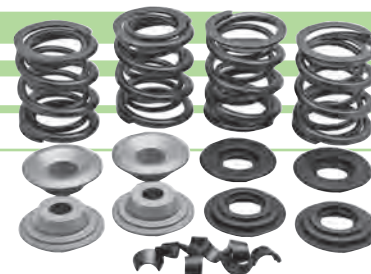
tech tips Always check and confirm running clearances when installing new valves.



Application	Type	Head Diameter	Stem Diameter	Tulip Radius	Angle	Overall Length	MSRP	Jobber	Order No.	Supersedes
Milwaukee-Eight	Intake	1.571" (39.90mm)	0.2347"	0.235"	10°	4.015"	\$34.99	\$27.99	20-21012H	20-21012
	Intake	1.614" (41.00mm)	0.2347"	0.235"	15°	4.035"	34.99	27.99	20-21060H	—
	Intake	1.630" (41.40mm)	0.2347"	0.235"	10°	4.055"	34.99	27.99	20-21009H	20-21009
	Intake	1.654" (42.01mm)	0.2347"	0.235"	15°	4.032"	34.99	27.99	20-21061H	20-21014
	Exhaust	1.264" (32.11mm)	0.2342"	0.460"	24°	4.050"	34.99	27.99	20-21016H	20-21016
	Exhaust	1.284" (32.61mm)	0.2342"	0.460"	24°	4.050"	34.99	27.99	20-21017H	20-21017
Pan Head 1948-1965 Black Diamond™	Intake	1.750" (44.45mm)	0.3765"	0.234	23°	3.800"	29.81	20.56	20-4257	—
	Exhaust	1.750" (44.45mm)	0.3760"	0.234	29°	3.820"	25.10	17.31	20-4195	—
Sportster 1957-1969	Intake	1.825" (46.36mm)	0.3090"	0.375	23°	3.562"	37.55	25.90	20-4258	—
	Exhaust	1.570" (39.88mm)	0.3384"	0.236	29°	3.512"	25.10	17.31	20-4197	HEV-3
	Exhaust	1.630" (41.40mm)	0.3384"	0.236	29°	3.512"	37.55	25.90	20-4197-1	—
Sportster 1970-1983	Intake	1.935" (49.15mm)	0.3090"	0.256	23°	3.620"	25.10	17.31	20-4196	HEV-5
	Intake	1.950" (49.53mm)	0.3090"	0.256	23°	3.690"	37.55	25.90	20-4167	—
	Intake	2.000" (50.80mm)	0.3090"	0.256	23°	3.620"	29.81	20.56	20-4196-1	—
	Exhaust	1.570" (39.88mm)	0.3384"	0.236	29°	3.512"	25.10	17.31	20-4197	HEV-3
	Exhaust	1.630" (41.40mm)	0.3384"	0.236	29°	3.512"	37.55	25.90	20-4197-1	—
Shovelhead 74" & 80" 1966-1983	Intake	1.950" (49.53mm)	0.3765"	0.234	23°	3.885"	25.10	17.31	20-4194	HEV-9
	Intake	2.000" (50.80mm)	0.3765"	0.234	23°	3.885"	29.81	20.56	20-4256	—
	Exhaust	1.750" (44.45mm)	0.3760"	0.234	29°	3.810"	25.10	17.31	20-4195	HEV-7
	Exhaust	1.812" (46.02mm)	0.3760"	0.234	29°	3.820"	37.55	25.90	20-4195-1	—
Shovelhead 74" & 80" 66-83 "Fat Stem"	Intake	1.950" (49.53mm)	0.3780"	0.234	23°	3.885"	29.81	20.56	20-4294	—
	Exhaust	1.750" (44.45mm)	0.3775"	0.234	29°	3.810"	29.81	20.56	20-4295	—
Evolution 1984-1999	Intake	1.840" (46.74mm)	0.3100"	0.236	23°	4.445"	25.10	17.31	20-4171	—
	Intake	1.990" (50.55mm)	0.3108"	0.675	25°	4.440"	34.63	23.88	20-20905	HBV-1990
	Intake	1.940" (49.28mm)	0.3108"	0.675	25°	4.440"	34.63	23.88	20-20910	HBV-1940
	Intake	1.900" (48.26mm)	0.3108"	0.675	25°	4.440"	34.63	23.88	20-20915	HBV-1900
	Intake (Racing)	1.900" (48.26mm)	0.3100"	0.344	28°	4.420"	25.10	17.31	20-4171R	HBV-1900S
	Intake	2.150" (54.61mm)	0.3108"	0.550	24°	4.480"	25.10	23.88	20-20900	HCV-2150
	Exhaust	1.615" (41.02mm)	0.3096"	0.236	29°	4.525"	25.10	17.31	20-4170	HEV-10
	Exhaust (Racing)	1.630" (41.40mm)	0.3096"	0.500	40°	4.525"	25.10	17.31	20-4170R	—
	Exhaust	1.650" (41.91mm)	0.3106"	0.750	25°	4.515"	34.63	23.88	20-20920	HBV-1650
	Exhaust	1.610" (40.89mm)	0.3106"	0.750	25°	4.510"	34.63	23.88	20-20925	HBV-1610D
Evo Sportster 883 to 1200 88 - 03	Exhaust	1.585" (40.26mm)	0.3106"	0.750	25°	4.505"	34.63	23.88	20-20930	HBV-1585
	Intake	1.715" (43.56mm)	0.3100"	0.236	23°	4.550"	37.55	25.90	20-2010	HBV-1720
	Exhaust	1.480" (37.59mm)	0.3096"	0.500	40°	4.625"	37.55	25.90	20-2012	—
	Intake	1.805" (45.85mm)	0.2760"	0.413	1.700°R	4.420"	29.81	20.56	20-20322	HBV-1810-7TG
	Intake	1.900" (48.26mm)	0.2760"	0.344	28°	4.420"	29.81	20.56	20-20323R	—
Twin Cam 88"-103" 2005-2017	Exhaust	1.575" (40.00mm)	0.2755"	0.354	22°	4.520"	29.81	20.56	20-20325	—
	Exhaust	1.630" (41.40mm)	0.2755"	0.500	34°	4.520"	29.81	20.56	20-20326R	—
	Intake	1.805" (45.85mm)	0.2760"	0.344	28°	4.525"	54.10	37.31	20-20260	—
Buell® XB9™ 2003-2007	Intake	1.900" (48.26mm)	0.2760"	0.344	28°	4.500"	54.10	37.31	20-20262	—
Twin Cam, Sportster & Buell® Triple Groove	Intake	1.980" (50.29mm)	0.2757"	0.290	23°	4.455"	34.31	23.99	20-20935	HBV-1980-7TG
	Intake	1.900" (48.26mm)	0.2757"	0.475	24°	4.445"	34.31	23.99	20-20940	HBV-1900-7TG
	Exhaust	1.610" (40.89mm)	0.2755"	0.595	25°	4.545"	34.31	23.99	20-20945	HBV-1610-7TG
	Exhaust	1.575" (40.05mm)	0.2755"	0.595	25°	4.560"	34.31	23.99	20-20950	HBV-1575-7TG
Evo, Big Twin & Twin Cam	Intake	2.020" (51.31mm)	0.3108"	0.670	25°	4.440"	34.31	23.99	20-20990	HBV-2020A
	Exhaust	1.700" (43.18mm)	0.3106"	0.600	25°	4.535"	34.31	23.99	20-20960	HBV-1700A
S&S®, Screaming Eagle & Ultima®	Intake	2.020" (51.31mm)	0.3108"	0.645	25°	4.510"	34.31	23.99	20-20965	HBV-2020S
SE® / JIMS®	Exhaust	1.610" (40.89mm)	0.3106"	0.750	25°	4.565"	34.31	23.99	20-20970	HBV-1610S
	Exhaust	2.100" (53.34mm)	0.3108"	0.560	24°	4.475"	34.31	23.99	20-20955	HBV-2100
Blank Valves Ready to Machine To Your Specs	Black	2.100" (53.34mm)	0.3108"	—	24°	5.700"	37.17	25.99	20-20980	HBV-1700BC
	Chrome	1.700" (43.18mm)	0.3106"	—	25°	5.700"	37.17	25.99	20-20985	HCV-2100BC
	Chrome	2.200" (55.88mm)	0.3108"	—	25°	5.700"	37.17	25.99	20-20975	HCV-2200BC

new

CYLINDER HEAD REBUILDING
CLEANING, ASSEMBLY & SAFETY
SHORT BLOCK REBUILDING
CRANKSHAFT/FLYWHEEL GRINDING
MISCELLANEOUS TOOLS & SUPPLIES
BRAKE SERVICE TOOLING
MEASURING TOOLS
V-TWIN & METRIC HARD PARTS



.415" Lift Panhead 1948 to 1965

Valve Spring Kit for 3/8" Valve Stems

- OE Replacement
- Fits Intake Valve 20-4257 and Exhaust Valve 20-4195
- Heat-treated and shot peened for long life • Kits include 4 Retainers, 4 Springs, 4 Keepers & 4 Base Washers

Max Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	MSRP	Jobber	Order No.
.415"	1.375"	129 lbs.	272 lbs.	.415"	\$121.95	\$84.10	20-20430

.600" Lift Evolution™ 1984 to 1999 Valve Spring Kit For 5/16"

Valve Stems

- Heat-treated and shot peened for long life
- Lightweight Racing Kits include 4 Retainers, 4 Springs, 4 Keepers & 4 Base Washers
- Use with Intake Valve 20-4171 & Exhaust Valve 20-4170

Max Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	MSRP	Jobber	Order No.
.600"	1.810"	163 lbs.	361 lbs.	.600"	\$142.97	\$98.60	20-20132

.655" Lift Evolution™ 1984 to 1999 Valve Spring Kit For 5/16" Valve Stems

- Springs heat-treated and shot peened for long life
- Lightweight Racing Kits include 4 Retainers, 4 Springs, 4 Keepers and 4 Base Washers
- Use with Intake Valve 20-4171 & Exhaust Valve 20-4170

Max Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	MSRP	Jobber	Order No.
.655"	1.860"	190 lbs.	465 lbs.	.655"	\$206.05	\$142.10	20-20081

.600" Lift Shovelhead™ 1966 to 1977

Valve Spring Kit For 3/8" Valve Stems

- Lightweight Racing Kits include 4 Retainers, 4 Springs, 4 Keepers and 4 Base Washers • Lightweight, hard anodized 7075T-6 Retainers offset .070" for taller installed height • Base Washers counter-bored for a .665" OD seal
- Use with Intake Valve 20-4194 & Exhaust Valve 20-4195

Max Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	MSRP	Jobber	Order No.
.600"	1.510"	150 lbs.	385 lbs.	.600"	\$142.97	\$98.60	20-2110

.600" Lift Shovelhead™ 1966 to 1977

Valve Spring Kit For 3/8" Valve Stems

- Springs heat-treated and shot peened for long life
- Lightweight Racing Kits include 4 Steel Retainers, 4 Springs, 4 Keepers and 4 Base Washers
- Use with Intake Valve 20-4194 & Exhaust Valve 20-4195

Max Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	MSRP	Jobber	Order No.
.600"	1.510"	150 lbs.	385 lbs.	.600"	\$142.97	\$98.60	20-20450

.415" Lift Shovelhead™ 1966 to 1977 Valve Spring Kit For 3/8" Valve Stems

- Springs heat-treated and shot peened for long life
- OE Replacement Kit includes 4 Steel Retainers, 4 Springs, 4 Keepers and 4 Base Washers
- Use with Intake Valve 20-4194 & Exhaust Valve 20-4195

Max Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	MSRP	Jobber	Order No.
.415"	1.375"	129 lbs.	272 lbs.	.415"	\$121.95	\$84.10	20-20435

V-Twin On-the-Engine Valve Spring Compressor

Replace broken valve springs, install high performance valve springs, remove and replace valve guide seals all without disassembling the bike – just remove the gas tank and get to work. Use on Sportster, Evolution, Twin-Cam and most aftermarket V-Twins. Kit includes valve spring compressor, adaptor for compressing beehive springs, valve seal driver/installer and head pressurizing hose. Order No. **CF-HDIF** Jobber \$164.99





.610" Max Lift Beehive Valve Spring Set for 5/16" Valves

- Advanced spring design with special attention to cam and spring harmonics, stress, mass and operating RPM
- Premium grade, super clean ground chrome silicon wire
- Kits include 4 Retainers, 4 Springs, 4 Keepers and 4 Base Washers • Supersedes HVS-6000S

Max Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	MSRP	Jobber	Order No.
.610"	1.860"	175 lbs.	400 lbs.	.610"	\$168.17	\$127.99	20-21300

.660" Max Lift Beehive Valve Spring Sets for 5/16" Valves

- 9° taper • Advanced spring design with special attention to cam and spring harmonics, stress, mass & operating RPM
- Premium grade, super clean ground chrome silicon wire
- Kits include 4 Retainers, 4 Springs, 4 Keepers and 4 Base Washers • Supersedes HVS-6500S

Max Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	MSRP	Jobber	Order No.
.660"	1.860"	178 lbs.	371 lbs.	.660"	\$168.17	\$127.99	20-21500

.610" Max Lift Beehive Valve Spring Sets for 7mm Valves

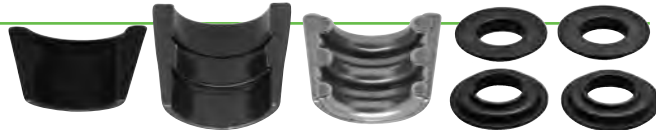
- Advanced spring design
- Premium grade, super clean ground chrome silicon wire
- Kits include 4 Retainers, 4 Springs, 4 Keepers 4 Viton Seals and 4 Base Washers • Supersedes HVS-6000-7SG

Max Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	MSRP	Jobber	Order No.
.610"	1.860"	175 lbs.	400 lbs.	.610"	\$168.17	\$127.99	20-21400

.660" Max Lift Beehive Valve Spring Sets for 7mm Valves

- 9° taper
- Advanced spring design
- Premium grade, super clean ground chrome silicon wire
- Kits include 4 Retainers, 4 Springs, 4 Keepers, 4 Viton Seals and 4 Base Washers • Supersedes HVS-6500-7SG

Max Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	MSRP	Jobber	Order No.
.660"	1.860"	178 lbs.	371 lbs.	.660"	\$165.29	\$124.99	20-21550



Spring Kit Replacement Keepers

- Several to choose from • 4 Sets per pack

Fits	Stem Dia.	Keeper Angle	Bead Height	OAL	Minor Dia.	MSRP	Jobber	Order No.
Pan/Shovel	.375"	15°	—	.305"	.403"	\$42.89	\$22.99	51005-4
Evolution	.310"	15°	.220"	.365"	.360"	42.89	22.99	51003-4
20-21300	.310"	7°	.190"	.380"	.380"	42.89	22.99	51014-4
20-21500	.310"	9°	.155"	.345"	.398"	43.89	29.99	51031-4
20-21400	.275"	7°	—	.290"	.345"	42.89	22.99	51016-4
20-21550	.275"	9°	.300"	.345"	—	42.89	22.99	51030-4
Shovelhead 80" Conversion Basewashers (4 Pk.)						49.29	33.99	20-20855

Compression Release Valves

- 2 per pack
- 10 x 1.0mm thread
- High temperature resistant knobs
- Shorter thread section makes installation easier with less drilling than required with OE-style

Application	Length	Thread	MSRP	Jobber	Order No.
Evolution	1.400"	.350"L	\$68.14	\$42.99	20-21250
Twin Cam	1.730"	.350"L	68.14	42.99	20-21255
OE Replacement	1.750"	.500"L	68.14	42.99	20-21260



Pan/Shovel Spring Seat Cutting Tool

- Convert Pan & early Shovels to late style Shovel easily to attain higher lift
- Spacer stops the cutter at the correct height for uniform spring spacing
- Use with lower spring collars or stock late-style lower spring collars (1980-1984) • OD: 1.680" • ID: 0.750"

Description	Jobber	Order No.
Spring Seat Cutting Tool	\$94.99	VSS-1680HD
.375" Spring Pad Pilot	34.99	VP-375



Keeper Installation Tools

- Spring-loaded plunger
- For single & multi-groove keepers
- Reaches keeper grooves located farther from the valve tip • Ideal for use with **CF-500** (p. 39) and **PSB-5000** (p. 38)

**Best Keeper Tool
on the Market!**



Size	Jobber	Order No.
5mm / .2031"	\$82.99	VKI-5
6mm / .2344"	82.99	VKI-6
7mm / .2812"	82.99	VKI-7
8mm / .3125"	82.99	VKI-8
Replacement Rubber Sleeve	6.99	VKI-56

CYLINDER HEAD
REBUILDING
CLEANING,
ASSEMBLY & SAFETY
SHORT BLOCK
REBUILDING
CRANKSHAFT/
FLYWHEEL GRINDING
TOOLS & SUPPLIES
MISCELLANEOUS
BRAKE SERVICE
TOOLING
MEASURING
TOOLS
V-TWIN & METRIC
HARD PARTS

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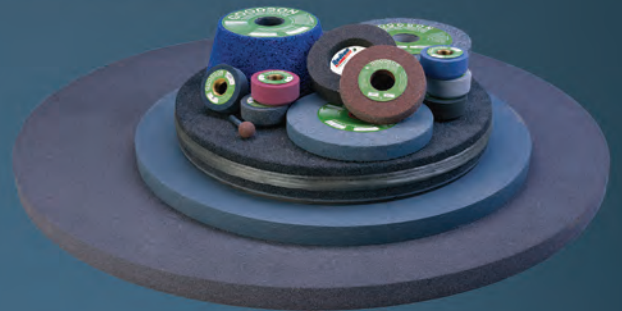


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