### DIAL BORE GAGE SETS



- · Easy-to-read
- Carbide anvils
- · Graduation: .0005'
- · Chrome plated handle
- Insulated grip
- · Includes extension holder and fitted case
- · Complete in shor hardened



case				3
Range	Graduation	Part Number	Price	
.7-1.5"	0.0005"	FOW-52-646-100	\$117.00	
2—6"	0.0005"	FOW-52-646-300	\$110.00	
1 4-6"	0.0005"	FOW-52-646-400	\$140.00	

### DIAL BORE GAGE SETS



- For close tolerance measurements
- of holes taper and roundness Gages supplied with AGD Group II
- dial indicator
- Easy setting with micrometers or
- ring gage 0.0005" graduations on dial indicator Self centering

800	our contoning	
1850		

Range	Probe Depth	No. of Anvils	Part Number	Price
0.4 - 0.7"	4"	.11	A-4400-0062	\$115.00
0.7 - 1.5"	6"	9	A-4400-0063	\$95.00
1.4 - 2.4"	6"	6	A-4400-0064	\$95.00
2.0 - 6.0"	6"	11	A-4400-0007	\$89.00
1.4 - 6.0"	6"	17	A-4400-1406	\$140.00

# **DIAL BORE GAGE**



Measuring Range	Probe Depth	Contacts	Extension	Part Number	Price
0.7-1.5"	6"	2	-	STR-12456	\$249.00
1.4-2.4"	6"	4	-	STR-12457	\$249.00
2-6"	6"	4	(1x) 2	STR-12458	\$278.00

# **DIGITAL BORE GAGES**



- · Used for precise bore measurements, this gage is the perfect instrument
- for easy set-ups and gauging

  Uses a digital indicator for accurate results
- Fast and easy inch/metric conversion, no need for revolution counters
- Zero-setting function and RS
- 232 output
- Rapid display and hold function
  Includes 11 anvils



Grad.	Range	Part Number	Price
.0005"	2-6"	PH2-900-274	\$140.00
.0001"	2-6"	PH2-900-284	\$175.00

### **BORE GAGE COMBO SET**

#### **Bore Gage Features:**

- Range: 1.4"-6"/35mm-150mm
- Carbide anvils · Easily adjustable
- Self-centering
- · Includes 2" contact extension

#### **Indicator Features:**

- · Dual reading inch/metric electronic indicator.
- · Bar graph and numeric digital display
- Resolution: .00005"/.001mm
- · Preset with recall
- · ABS/INC measurement
- Min/Max/TIR



Description	Part Number	Price
1.4-6" Electronic Bore Gage Set	FOW-54-646-401	\$255.00

# PRECISION RADIUS GAGE SETS



- · Radius gage set in a plastic case
- · Five different gaging surfaces on each gage for both convex and concave radius
- · Made of satin finish rust and stain resistant stainless steel
- Includes handy gage holders



No. Of Pieces	Description	Part Number	Price
25	1/64"-17/64 x 64ths & 9/32"-1/2" x 32nds	A-4901-0040	\$41.00
26	.5-13mm by 0.5mm	A-4901-0047	\$38.00

# TELESCOPING HOLE GAGES

# **FEATURES:**

- 6 piece set
- Range: 5/16" to 6" Double action rigid handle with self-centering feature for quick checking of inside
- measurements. Completely assembled with handle.
- Constant spring tension for uniform feel.





	_	•
Brand	Part Number	Price
FOWLER	FOW-52-470-006	\$101.80
PEC	PEC-3S-6	\$86.53

# SMALL HOLE GAGES



#### **FEATURES:**

- · Size adjustment by knurled knob
- · Gaging surface is fully hardened
- · Satin chrome finish
- · Extra long for gaging deep holes and slots
- · Final size is obtained by measuring over the contact points with a micrometer

ADE IN THE

· Supplied in fitted case

Range	Part Number	Price
.125"500"	PEC-4S-4	\$50.57

ER, DA, TG COLLETS

**ABRASIVES** 

# DIAL TEST INDICATORS

### **DIAL TEST INDICATORS**

With Dovetail Mounts

# Starrett

- Series 708 reads to .0001"
- Large 1-3/8 diameter dial
- Angled head for better reading position
  Precision gear-driven design with smooth,
- jeweled movement
  Three dovetail positioning mounts provide
- added versatility
  13/16" long carbide contacts are frictionally
- adjustable and replaceable

   Dial color options: White or Black
- · Attachments included: dovetail body clamp, tool post holder, swivel post snug w/ dovetail indicator clamp and snug/rod unit



Description	Range	Dial Reading	Part Number	Price
Black Dial, w/ attachments	.010"	0-5-0	STR-64608	\$384.00
White Dial, w/ attachments	.010"	0-5-0	STR-64217	\$384.00
White Dial, w/o attachments	.020"	0-5-0	STR-64213	\$366.00
White Dial, w/ attachments	.020"	0-5-0	STR-64218	\$448.00

## **DIAL TEST INDICATORS**

#### With Dovetail Mounts

#### All Fowler Test Indicators Include:

- · Bi-directional constant clockwise rotation
- Automatic reversal
- 3 dovetail mounts · Jeweled movement
- 2 dovetail clamps
- Universal holder
- · Complete in a molded case!

Range: .030" Dial reading: 0-15-0



Grad.	Dial Dia.	Point Length	Dial Color	Part Number	Price
0.001"	1"	1/2"	White	FOW-52-562-774	\$80.00
.0005"	1-1/2"	1/2"	White	FOW-52-562-776	\$80.00
.0005"	1-1/2"	1/2"	Black	FOW-52-562-780	\$80.00

# TEST INDICATOR ACCESSORIES

- Accessories for Starrett Series 708 and
- 811 test indicators
- · Replacement attachments
- · Additional accessories also available



Dovetail Body Clamp



Snug and Rod Unit



Tool Post Holder



Indicator Axial Support

Swivel Post Snug w/ Dovetail Indicator Clamp



Indicator Attachment

Fowler

Part Number	Price
STR-72441	\$23.50
STR-71361	\$23.50
STR-72440	\$23.50
STR-72442	\$29.00
STR-65101	\$101.00
STR-68713	\$195.00
	STR-72441 STR-71361 STR-72440 STR-72442 STR-65101

## TEST INDICATOR KIT

- 0-0.03" Dial Test Indicator set with .0005" Graduation
- · Three dovetail positioning mounts work with most existing test indicator accessories
- · Precision design with smooth jeweled movement
- · Contact point reverses automatically
- · Frictionally adjustable contacts.
- Meets or exceeds ANSI/ASME specifications
- High contrast easy to read dial
- Narrow body for in reach ability
- Interchangeable with 3808AC
- Includes 2 contact points, 2 dovetail clamps,
- 1 swivel post holder, 1 tool post holder and
- 1 contact wrench in a fitted case

# **Test Indicator Kit**

\$72.00

# Part #A-4409-1208

# DIAL TEST INDICATOR

- · Precision pivot bearing
- Dial reading 0-15-0
- 0.098" contact point
- · Satin chrome finish
- · Jeweled movements
- · Dovetail mount top, back & front
- · Includes case & 2 stems

Range	Graduation	Brand	Part Number	Price
0-0.03"	0.0005"	IMPORT	IND-25010L	\$25.34
0-0.03"	0.0005"	ISQ	A-4400-0010	\$41.00
0-0.03"	0-0005"	ISQ Ultra	A-4409-1201	\$47.00

# TEST INDICATORS

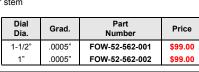


- Total Range: .008'
- Dial reading:0-4 -0
- Jewelled movement
- · Bi-directional constant clockwise rotation
- · Easy-to-read tilted dial
- Auto-reverse
- 0.0001" graduation
- 1/2" point length

Dial Dia.	Dial Color	Part Number	Price
1"	White	FOW-52-563-770	\$90.00
1"	Black	FOW-52-563-771	\$90.00
1-1/2"	White	FOW-52-563-777	\$90.00
1-1/2"	Black	FOW-52-563-772	\$90.00

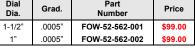
Fowler

- Range: 0.060"
- Jeweled movement
- Revolution counter · Easy-to-read tilted dial
- · Automatic reversal
- 210° Swivel arc
- · Tungsten carbide points: .040", .080" and .120" diameter
- 5/32" stem





Twice The Range Of **Most Indicators!** 



### UNIVERSAL INDICATOR HOLDER

For use with Test Indicators. Attaches to spindle with dovetail mount.

- For Bridgeport® type Machines.
- Clamping Diameter 1-7/8". Length from Clamping Bracket to indicator 4-1/2".
- For Milling Machines and Jigbores. A Quicker way of Indicating. Suitable for all popular Indicators
- with 5/32" shank or dovetail.
- Does not disturb the working tool
- Guaranteed accurate readings.

· Mounts with single pressure screw



\$11.50

XTRA MAG

Virtually unlimited

positionina as a

#### UNIVERSAL HOLDER SET:

For Bridgeport type mills.Mounts directly on machine quill with single pressure screw.

1 7/8" clamping diameter. Stays clear of working tool



\$35.00



# X-TEST & XTRA-MAG COMBO

## Mag Base:

- 2 universal ball sockets
- · Microfine adjustment screw
- 3-9/16" extension arm
- · Dovetail mounting Test Indicator:

- Range:.060"
- Reading:0-15-0, 1-1/2" dial dia
- · Jewelled movement
- · Graduation:.0005"
- · Automatic reversal
- Tungsten carbide points: .040", .080" & .120"

Description	Part Number	Price
Xtra Mag with Test Indicator	FOW-52-562-105	\$172.20

#### PRECISION TEST INDICATOR KIT

**TEST INDICATOR & UNIVERSAL** 

INDICATOR HOLDER SET

#### Indicator Holder:

- · 2 universal ball sockets
- · Microfine adjustment screw
- 3-9/16" extension arm
- Dovetail mounting

### 0-0.03" Test Indicator:

- · Resolution: 0.0005'
- · Precise pivot bearing
- · 0.098" contact point
- Satin chrome finish
- · Dovetail mount top, back and front
- 2 stems (7/32" & 1/4")
- · Jeweled movement, automatic reversing



Test Indicator Kit

Part # A-4400-0013

\$59.66

# **DIAL INDICATORS-AGD GROUPS 2 & 3**

Complete In a Shop

Hardened Case!

# Starrett

- · Indicators have a shockless hardened steel gear train and jewel bearings
- Lug on center backConforms to AGD Standards



<u>owler</u>



DIAL INDICATOR

Two dial indicators in one

the opposite side

bushing included

Range: 0.5"/12.5mm

Jeweled movements

Carbide contact point

Inch on one side and metric on

8mm mounting stem with 3/8" adaptor

Inch & Metric Reading

		Rar	ige				
	Grad.	One Rev.	Total	Dial Reading	Part Number	Price	
	AGD G	roup 2-	Face Di	a: 2-1/4"			
	.0005"	.050"	.500"	0-50	STR-53292	\$185.00	
		.050	1.000"	0-50	STR-53304	\$185.00	
	.001"		.500"	0-100	STR-53293	\$160.00	
		.100"	.001" .100"	1.000"	0-50-0	STR-53287	\$157.00
			1.000	0-100	STR-53295	\$154.00	
	AGD G	roup 3-	Face Di	a: 2-3/4"			
	.001"		.500"	0-50-0	STR-53607	\$201.00	
	.001	.100	1.000"	0-100	STR-53613	\$201.00	

Fowler

# **DIAL INDICATORS**





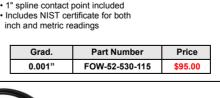
- 1" total travel (range)
- 0-100 continuous reading
- · Revolution counter
- Tolerance markers
- · Lug back mount
- · Includes certificate of calibration

• 3 year	warranty		4
Reading	Face	Part Number	Price
.001"	White	FOW-52-520-1102	\$68.00
.001"	Black	FOW-52-520-1101	\$68.00
.0005"	White	FOW-52-520-129	\$81.00



# inch and metric readings

Grad.	Part Number	Price
0.001"	FOW-52-530-115	\$95.00





# TRAVEL INDICATOR

- 1" Jeweled & dual back travel indicator
- · 6 jewel movement
- · Bezel lock screw is designed for easy adjustments
- · Contact point is interchangeable with 4-48 thread points
- 3/8" diameter stem
- 2.19" in diameter dial face
- · Reading range pointers are installed in the bezel
- · Long form of calibration certificate is included
- · Flat back is installed with an extra lug back included







RETENTION KNOBS ER, DA, TG COLLETS

# DIAL INDICATORS & ACCESSORIES

### AGD GROUP 2 DIAL INDICATORS



- Rack and contact point made of hardened stainless steel
- 3/8" diameter stem
- Contact point is interchangeable with thread 4-48
- Jeweled movement2" diameter dial face
- Lug back

	ISQ
( ) ( )	INTERNATIONAL SELECT QUALITY

Range	Graduation	Part Number	Price
0-0.50"	.001"	A-4400-0004	\$18.16
0-1"	0.001"	A-4400-0001	\$19.00
0-1"	0.0005"	A-4400-1100	\$19.80
0-1"	0.0001"	A-4400-1000	\$61.67
0-2"	0.001"	A-4400-0002	\$43.00

### INDICATOR & STAND COMBO



#### Stand Features:

- 6" x 6" x 2" granite base
   Positive lock screw
- · Fine adjustment knob for zero setting
- · Column height is 8"

#### **Black Face Indicator features:**

- Reading: .001"1" Travel
- AGD Group 2
- · Dial diameter: 2.25" Continuous reading: 0—100

Indicator	Part Number	Price
Black Face	FOW-52-580-109	\$135.00

### **DIAL INDICATOR & STAND**

#### **Granite Stand:**

- Fine adjustment0.00005" granite flatness
- 10" height
- Accepts all AGD indicators with lug back
- Stand base is 6" x 6" x 2"

#### Indicator:

- 0-1" range 3/8" diameter stem · Contact point is
- interchangeable with thread 4-48
- Jeweled movement
- · 2" diameter dial face
- Lug back

# NTERNATIONAL SELECT O

Stand & Indicator Part # A-4401-2001 \$65.00 each

**Granite Stand Only** Part # A-4401-0020 \$55.00 each

# MAGNETIC BASE

- MAGNETIC BASE:
   Fine adjustment
   On/off switch
- Power pull: 130 lbs
- Overall height: 9'
- · Max. reach: 16"
- Holds most AGD group indicators
  Base: 2" wide x 2-1/2" deep

#### DIAL INDICATOR:

- 0-1" range 3/8" diameter stem
- · Contact point is
- interchangeable with thread 4-48 Jeweled movement
- 2" diameter dial face

### **Base & Indicator** Part # A-4401-0015

\$47.00 each

Magnetic Base Only

# Part # A-4401-0001 \$22.00 each

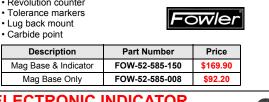
# MAG BASE & INDICATOR COMBO

#### **Articulating Mag Base Features:**

- · Adjust in almost unlimited ways.
- · Fine adjust
- 85 lb. pull
- V-slot on base for mounting on rounded surfaces

#### **AGD Indicator Features:**

- 1" travel.
- Continuous reading: 0-100.
- Reading: .001" • AGD group 2, 2-1/4" dial diameter.
- Revolution counter



Can Be Set Up In Almost

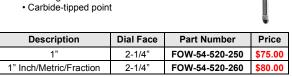
**Unlimited Positions!** 

# ELECTRONIC INDICATOR





- · Direct Inch/Metric Conversion
- 2-1/4" dial face
- 1"/25mm travel
- · Lug Back with 3/8" stem mountings
- Resolution .0005"/.01mm
- Tolerance indicators
- · Min/Max measurement
- · Floating zero



# **ELECTRONIC INDICATOR**

# Starrett

- Large, easy to read LCDRange: .500" (12.7mm)Resolution: .0005" (.01mm)
- Power On/Off button
- Reverse travel
- · Zero setting at any position
- 3/8" diameter stem
  4-48 spindle thread
  Lug on center back
- Plastic storage case with clear cover

0-.500" Range Electronic Indicator Part # STR-68813 \$182.00



# **ELECTRONIC INDICATOR**



- Extra large LCD displayRange: 0-0.5"Resolution: .0005" (.01mm)
- 4-48 thread
- · Absolute zero reset button
- Zero setting at any position
  Includes SR44, 1.55V battery
- Lug back
- Supplied in fitted case

0-.500" Range **Electronic Indicator** Part # A-4400-0115 \$78.00



Call Us Today For All Of Your Machine Tool Needs!

**PRO-QUALITY CONTOUR MAGNETIC BASE** 

- Magnetic base conforms to any shape
  Cam lock mechanism
- Unlimited versatility Fine adjustment





Contour Magnetic Base Part # A-4401-0510 \$30.00



UNIVERSAL MAGNETIC BASE



- · 3D rigid steel arm movement
- Unique central locking
- mechanism
   Fine adjust
- On/off switch
- · Max. reach on Mini model is 7.5'



Descriptioon	Base Size	Part Number	Price
MINI Universal Magnetic Base	1.2" w x 1.5" d	A-4401-0810	\$42.00
Universal Magnetic Base	2" w x 2-1/2" d	A-4401-0511	\$46.00

# **FLEXIBLE ARM MAGNETIC BASE**

- Flexible Magnetic Base
- Permanent magnet with on/off switch control
- · Adjustable cable tension
- Stem flexes a full 360°
- Overall length is 13"
- Power pull is 130 lbs
- Base dimension is 2" wide x 2-1/2" depth
- · Can be used with all AGD dial indicators
- · Cam lever operates the cable and locks it rigid at any desired position

Flexible Magnetic Base Part # A-4401-0002 \$40.00



# SWITCHABLE MAGNETIC BASE

# <del>ow</del>ler

- Set includes 3-1/8" x 2-1/16" permanent magnetic base with on/off switch, fine adjustment on base and a 5/16"x 9" upright.
- .0005" test indicator (FOW#52-562-778) with .040",.080"&.120"contact points.
- · Swivel clamp to mount indicator.
- Two dovetail stems: 5/32"& 3/8"
- 4" hardened scriber.
- · Form fitted shop-hardened case for easy accessibility, and storage.



Indicator Not Included

Descriptioon	Part Number	Price
Xtra-Surf	FOW-52-155-743	\$109.00

FINE ADJUST MAG BASE SET

**Includes Indicator & Magnetic Base** 

-owler

**Dial Indicator Features:** AGD group 2
Black face

Black face
 Dial dia: 2-1/4"
 Travel: 1", Reading: .001"
 Continuous reading: .100"
 Carbide tipped point

Magnetic Base Features:

Fine adjustment

V-bottom base

85 lb. pull magnet

## **FLEX ARM MAG BASE SET**

**Includes Indicator & Flex Arm Mag Base** 



#### Dial Indicator Features:

- AGD group 2
   Black face
   Dial dia: 2-1/4"
   Travel: 1", Reading: .001"
- Continuous reading: .100"Carbide tipped point

- Flex Arm Mag Base Features:

   Corrosion resistant chrome plated flex arm
- 85 lb. pull magnet
- Holds
- V-ba

With Articulating Arm & LED Flashlight

ase for mounting on round	WAGNETS! BASE	
Description	Part Number	Price
Set w/ Dial Indicator	FOW-52-585-500	\$191.18
Set w/ Digital Indicator	FOW-52-585-100	\$171.24



Description	Part Number	Price
Set w/ AGD Dial Indicator	FOW-52-585-125	\$135.00
Set w/ Indi-XElectronic Indicator	FOW-52-585-075	\$170.00

# LARGE DIAMETER MAGNETIC BASE



- 14 LED Ultra-bright flashlight
- · Powerful, low-profile magnetic base
- · Positive-locking 6" articulating arm allows
- for easy and accurate positioning · Quick release mounting bracket clamp
- · Batteries included



This Product Is Ideal For Focused Applications In Industrial And Automotive!

Mag Base & Flashlight Part # FOW-52-630-460

\$52.16 each



Call Us Or Visit Our Website For Our Complete Selection!