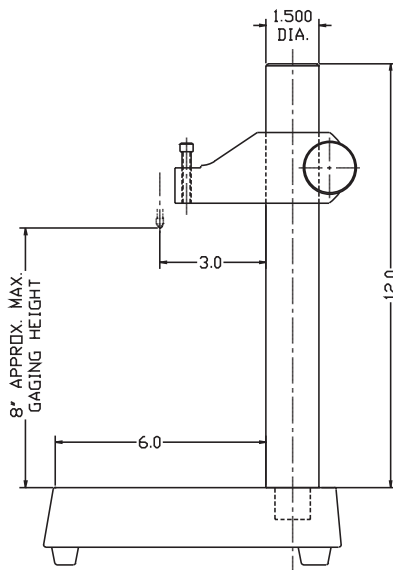


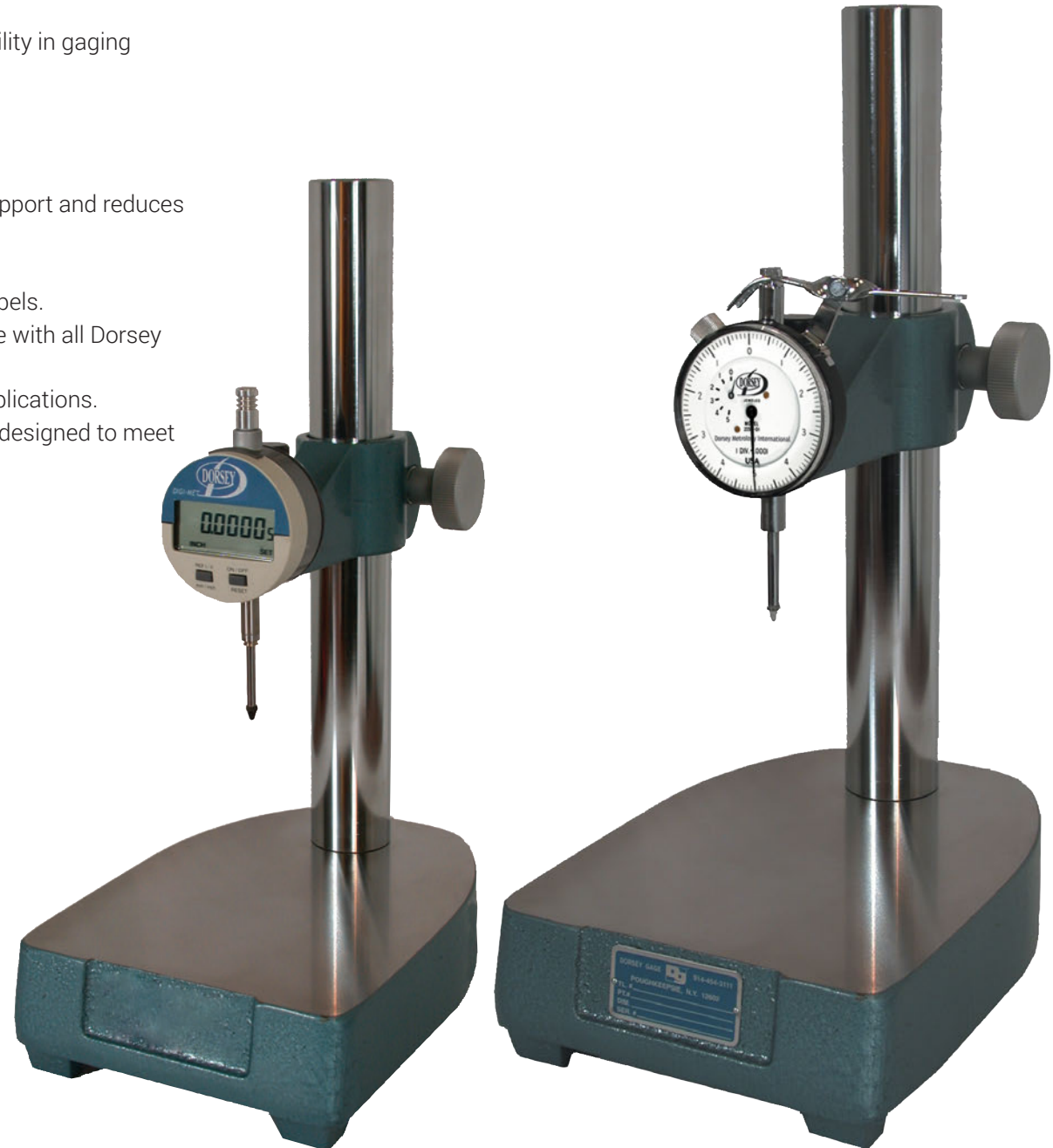
The Dorsey E1 comparator stand is specially designed for use in production and shop areas. The comparator stand has a large base and 3" throat clearance to give the user maximum flexibility for measuring various size pieces. This product may be used with any of Dorsey's dial or digital indicators.

## FEATURES:

- ✓ Rugged design - built to meet requirements for greater versatility in gaging equipment.
- ✓ 6" x 5.88" base - greater work area.
- ✓ 9" maximum gaging capacity.
- ✓ 3" throat clearance - will accommodate various size parts.
- ✓ Three point head clamping - assures positive dial indicator support and reduces damage due to overtightening.
- ✓ Portable from one location to another.
- ✓ Recessed nameplate - provides area for shop identification labels.
- ✓ Accommodates all AGD indicators - specially designed for use with all Dorsey indicators with a horizontal mounting lug.
- ✓ Adjustment head can be locked and sealed for production applications.
- ✓ Special applications: rests, nests, and holding fixtures can be designed to meet specific part configurations.
- ✓ Cast iron base and chrome plated column.



PART #	DESCRIPTION
48656	E1 STAND
48656-S3	E1 STAND WITH FINE ADJUSTMENT HEAD



# S2 COMPARATOR STAND

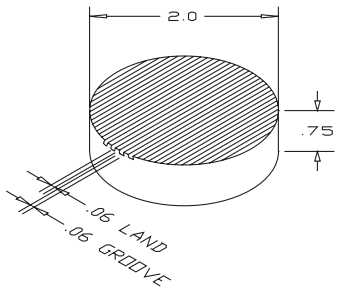
The S2 precision comparator stand was designed for manufacturing areas requiring high accuracy such as grinding and inspection departments. It is recommended for use with all Dorsey high amplification dial and digital indicators, but will accommodate other gaging devices having a standard .375" or 8mm diameter mounting stem.

The S2N production and shop area comparator stand is specifically designed without fine adjustment for use with digital indicators, long range indicators, and electronic probes with remote readouts. The S2N stand maximum gaging height is 4.0" inches and the throat clearance is 2.4".

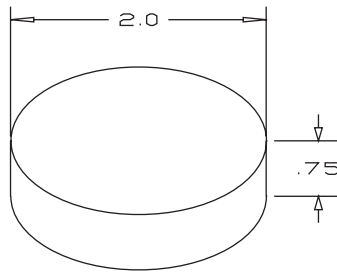
## FEATURES:

- ✔ Unique fine adjustment head - Dorsey's frictionless reed spring design prevents backlash and drifting. Ensures rapid, precise zero positioning of any dial indicator. Permits Dorsey high amplification dial indicators or other gaging instruments of equal sensitivity to perform to their full capability of measuring to millionths of an inch repetitively and accurately.
- ✔ Ground and chrome plated columns provide maximum wear and corrosion resistance.
- ✔ Precision machined and ground cast base ensures perpendicularity of column to anvil.
- ✔ Anvils for the S2 and S2N are made from hardened and lapped high grade tool steel.

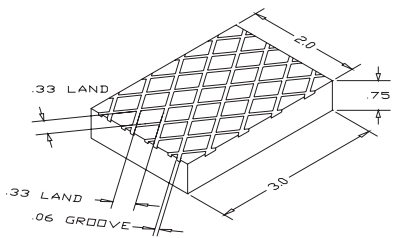
Part# 47141  
Straight serrated surface anvil 2" dia.



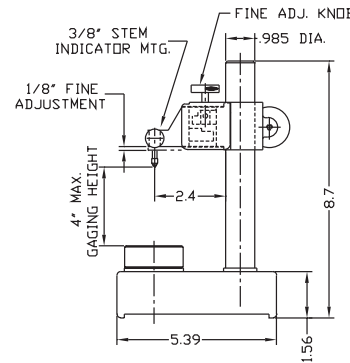
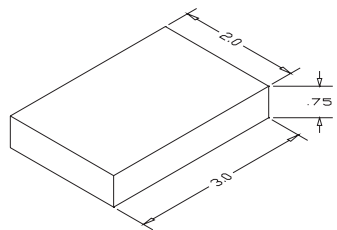
Part# 47113  
Flat surface anvil 2" dia.



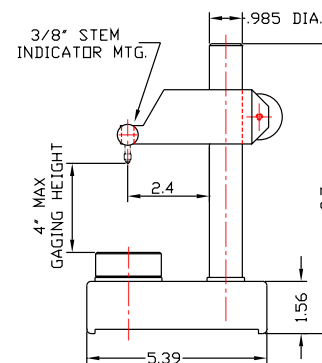
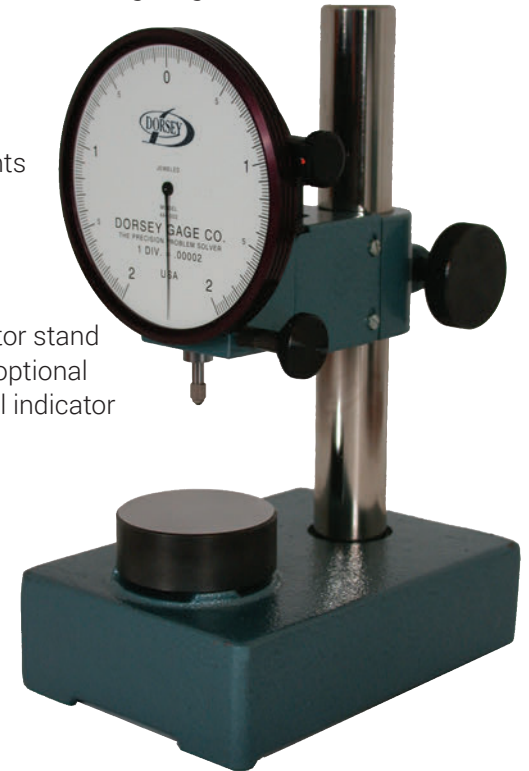
Part# 47139  
Flat diamond serrated surface anvil 2"x3"



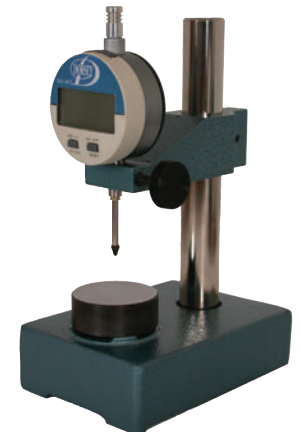
Part# 47138  
Flat surface anvil 2"x3"



S2 comparator stand shown with optional #414-002 dial indicator



S2N comparator stand shown with optional extended range digital indicator



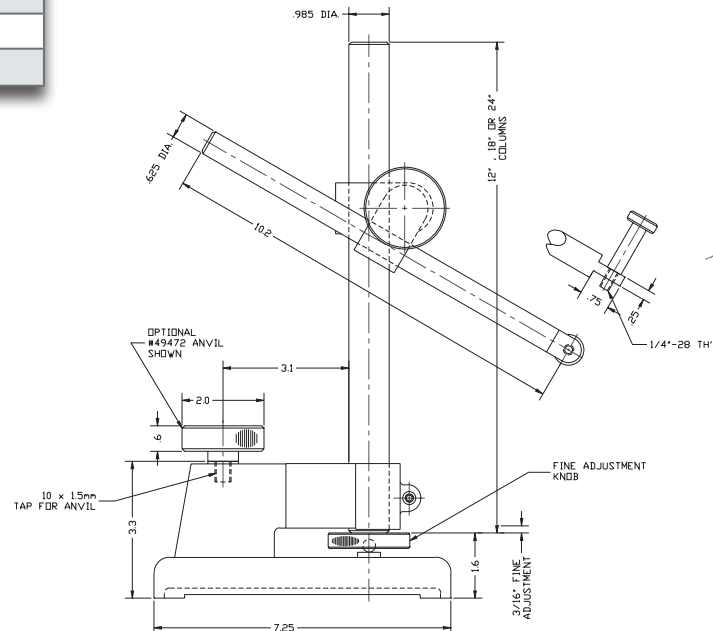
PART #	DESCRIPTION
47145	S2 STAND WITHOUT ANVIL
S2-HEAD	FINE ADJUSTMENT HEAD ONLY
47145N	S2N STAND WITHOUT ANVIL
For Anvil options, please see above	

The Dorsey S4 height stand is designed for making comparative height measurements. It is designed primarily for transfer measurements on a surface plate but the optional anvil also permits its use as a conventional comparator stand. This stand will accommodate mechanical, electronic, digital, or pneumatic probes with a standard mounting lug. The Model S4 stand can be adjusted vertically, horizontally, and radially to adapt to any height gaging situation.

## FEATURES:

- ✓ Fine adjustment base - original frictionless reed spring mechanism assures "no tilt" vertical adjustment of the column.
- ✓ Wide fine adjustment range - total .19" range permits more rapid gaging setup.
- ✓ Interchangeable columns - sturdy chrome plated steel columns, 12", 18" and 24" are easily interchangeable in the field to meet various height measuring requirements.
- ✓ Triangular support - three precision flats on base assure stability of gaging setup when transferring height measurements on surface plate.
- ✓ Positive clamping design - split bushing clamping arrangement provides positive locking on cross arm assembly.
- ✓ Optional anvil - provisions in base for field installation of optional hardened and lapped steel anvil increases versatility of the stand.

ORDERING INFORMATION	PART #
S4 Stand with 12" column	49451
S4 Stand with 18" column	49456
S4 Stand with 24" column	49457
OPTIONAL 2" diameter anvil	49472



### The Fine Adjustment Base

By rotating the adjustment wheel, the column is raised or lowered. Motion parallel to the longitudinal axis of the column is maintained by the reed-spring assembly. Downward pressure on the wheel is sustained by the coil spring, preventing backlash and drift.

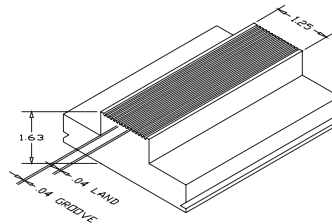
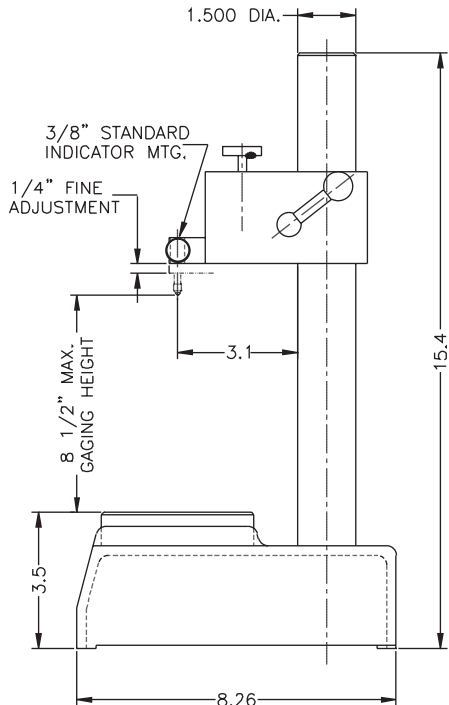
# S3 COMPARATOR STAND

The S3 precision comparator stand was designed for manufacturing areas requiring high accuracy, such as grinding and inspection departments. It is recommended for use with all Dorsey high amplification dial and digital indicators, but it will also accommodate other gaging devices having a standard .375" or 8mm diameter mounting stem. The maximum gaging height is 8.5" as standard and the throat clearance is 3.13".

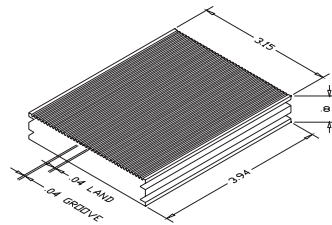
## FEATURES:

- ✔ Unique fine adjustment head - Dorsey's frictionless reed spring design prevents backlash and drifting. Ensures rapid, precise zero positioning of any dial indicator. Permits Dorsey high amplification dial indicators or other gaging instruments of equal sensitivity to perform to their full capability of measuring to millionths of an inch repetitively and accurately.
- ✔ Rugged construction - provides maximum gaging stability permitting measurements in millionths.
- ✔ Ground and chrome plated columns provide maximum wear and corrosion resistance.
- ✔ Precision machined cast base and anvil supports - ensures perpendicularity of column to anvil.
- ✔ Selection of hardened and lapped anvils - increases the capability of the stands to accommodate many part configurations.

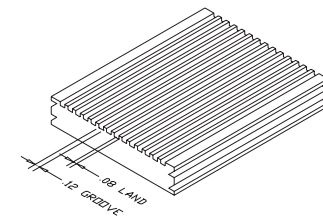
PART #	DESCRIPTION
47405	S3 STAND WITHOUT ANVIL
S3-HEAD	S3 FINE ADJUSTMENT HEAD ONLY



Part# 47403  
Rail type anvil 1.25" x 3.88"



Part# 47402  
Thin serration and flat reversible anvil



Part# 47404  
Wide serration and flat reversible anvil



Shown with optional  
#414-002 indicator



The S3 comparator stand anvil can be replaced with a radial play fixture and accessories to check the internal clearance of miniature bearings. Miniature bearing radial play fixture, part # 49388-3-01 is capable of checking bearings ID range .040"-.870" OD range up to 1.0".

## FEATURES:

- ✓ S3 stand.
- ✓ Radial play attachment.
- ✓ Choice of standard anvil set which includes the carrier, anvil, and clamp assembly.
- ✓ Special radial play contact.
- ✓ Variable pressure weight arm assembly adjustable from 6.5 to 16 oz. of upward force.
- ✓ Dial indicator model # 414-002 (.00002 graduation) or #4101-0005mm (0.0005mm).

STANDARD ANVILS (CHOICE OF ONE WITH PURCHASE)	
Anvil Set No.	Bearing Bore Diameter
49388-3-01	Gage with 1 Anvil
493-SET	Gage with 9 Anvils
49373	.0400"
49374	.0469"
49375	.0550"
49376	.0781"
49377	.0937"
49378	.1250"
49379	.1562"
49380	.1875"
49381	.2500"
*INQUIRE ABOUT COMPLETE PACKAGE	

Additional arbor bearing sets are available for any size requirement. Please contact us for details.

## INTERMEDIATE AND LARGE SIZE BEARINGS

Dorsey also offers fixtures to inspect radial play on large and intermediate sized bearings. Contact us for details.

