

BACK PLUNGER INDICATORS

ATTACHMENTS FOR 650, 651, 196 AND 196M BACK PLUNGER DIAL INDICATORS AND UNIVERSAL DIAL INDICATORS

A. CLAMP

PT99437 With a 1-5/16" (33mm) flat or round capacity – 5/16" (8mm) post (PT03709-1/2) used with PT18718 Snug.

B. TOOL POST HOLDER

PT99438 3/8" x 3/4" x 6" (9.5 x 19 x 150mm) with upright spindle (PT03820-0) 5/16" dia. x 4-1/2" length (8 x 114mm). Use with PT18718 Snug.

C. SNUG COMPLETE

PT18718. Post hole has a 5/16" diameter† and 3/32-1/4" holding capacity. Can be used on our 252 Height Transfer Gage, 57 and 257A and B Surface Gages, on 657A Magnetic Base and Swivel Post Assembly.

D. SNUG COMPLETE

PT18724. Post hole has a 3/8" diameter (9.5mm) and 3/32-1/4" (2.4-6.3mm) holding capacity. Can be used with our 57 and 257C and D Surface Gages or 657AA Magnetic Base with upright post.

E. UNIVERSAL SNUG

57S With spindle hole diameters 5/16", 3/8" (8, 9.5mm) and gripping hole diameters 9/64", 5/32", 3/16", 1/4" (3.5, 4, 4.8, 6.3mm).

F. UNIVERSAL SNUG

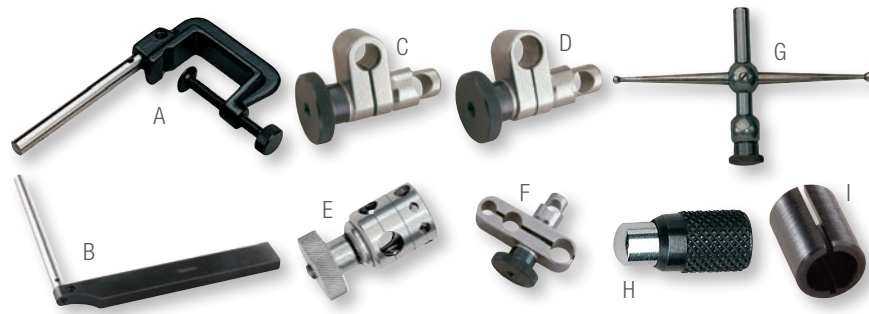
58S. With spindle hole diameters 1/4", 5/16", 3/8" (6.3, 8, 9.5mm). Gripping hole diameters range from 3/32-1/4" used on holders with smaller clamp hole.

Attachments for 650, 651, 196 and 196M Back Plunger Dial Indicators and Universal Dial Indicators

Photo Key	Description	Cat./Part No.	EDP
A*	Clamp	PT99437	64492
B*	Tool Post Holder	PT99438	64493
C*	Snug Complete	PT18718	50709
D	Snug Complete - 1/4" and 3/8" Holes	PT18724	50710
E	Universal Snug	57S	50296
F		58S	56613
G*	Hole Attachment for 196 and 196M Only	196F	50706
H	Shock Absorbing Anvil for 196 and 196M Only	PT08726A	66052
I	Split Bushing for 196 and 196M Only	PT00764	68850

* Attachments marked with an asterisk (*) are furnished with all sets having "A" in the catalog number.

† For snug with 8mm post hole diameter and 2.4-6.3mm holding capacity, order PT27171, EDP 66457.



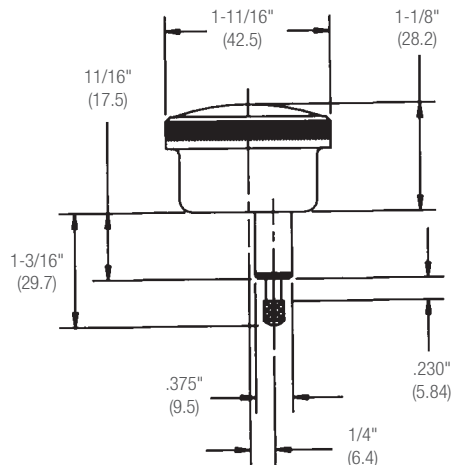
641, 641M BACK PLUNGER DIAL INDICATORS

.200"/5MM

These indicators have the same design as the 650, but without the shank and deep hole attachments. They are useful for positioning in unconventional fixtures and mountings. The spindle is perpendicular to the dial face for optimum dial readability.

- Continuous reading dials with revolution counters
- Uses standard AGD contacts

641 Back-Plunger Dial Indicators				
Range	Graduation	Dial Reading	Cat. No.	EDP
.200"	.001"	0-100	641	65107
641M Back-Plunger Dial Indicators				
5mm	0.01mm	0-100	641M	65108



ATTACHMENTS FOR 196 AND 196M ONLY

G. HOLE ATTACHMENT

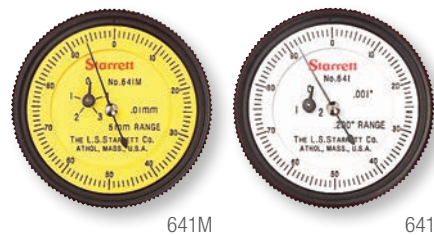
196F. allows indicator be used over obstructions and inside holes to a depth of approximately 1-5/8" (40mm).

H. SHOCK ABSORBING ANVIL

PT08726A.

I. SPLIT BUSHING

PT00764. Allows attachment of 196 Indicator to 660 Magnetic Base.



SURFACE GAGES

56 SMALL SURFACE GAGES

(HARDENED STEEL BASE)

- Smaller base and spindle than other surface gages and is designed for lighter work
- Two frictionally held gage pins in the hardened steel base which can be pushed down and used against the edge of a surface plate or T-slot for linear work
- Weighs only ten ounces (0.28kg.) and takes up very little space in a toolbox
- Only 1-3/8" (35mm) high, including the lower sleeve in the rocker arm
- Scriber has a 3/32" (2.4mm) diameter and is 3-1/4" (82mm) long

56 Small Surface Gages

Spindle Inch	mm	Base Inch	mm	Cat. No.	EDP
4"				56A	50289
Two, 4" and 7"	100 and 175mm	2 x 1-1/2"	50 x 38mm	56B	50290
7"				56C	50291

57 Full-sized Surface Gages

Spindle Length	Base - Length x Width	Cat. No.	EDP
9" (225mm)	3 x 2-9/16" (75 x 65mm)	57A	50292
9" and 12" (225 and 300mm)		57B	50293
12" (300mm)	3-3/4 x 3-3/8"	57C	50294
12" and 18" (300 and 450mm)	(95 x 85mm)	57D	50295

Spindles, Scribers and Standard Snugs for 57 and 257 Surface Gages

Fits	Spindles	Scribers	Standard Snugs*
A and B Models	5/16 x 9" and 12" (8mm x 225 and 300mm)	9/64 x 6" (3.6 x 150mm)	PT18718 (EDP 50709) with 5/16" post hole†
C and D Models	3/8 x 12" and 18" (9.5mm x 300 and 450mm)	5/32 x 8-1/2" (4 x 216mm)	PT18724 (EDP 50710) with 3/8" (9.5mm) post hole

† For snug with 8mm post hole diameter, order PT27171, EDP 66457.

* Will hold scribers, rods or indicator stems ranging from 3/32-1/4" (2.4-6.35mm) and allows use with these test indicators: 196, 651, 711**, 564**, 708**, 811**, 650, 709**

** Snugs must be used with the proper indicator holder.



257A with 711GPSZ



SURFACE GAGES

Surface Gages are designed for a wide variety of uses. This is a basic tool for machinists and toolmakers. The main uses are for accurately scribing lines, transferring measurements and for probing surfaces in inspection work.

Lines can be scribed to heights and depths. Lines can also be scribed on horizontal surfaces referenced from gage pins on the tool.

Scribers are usually set in relation to rule graduations (our 62 Rule Holder is valuable in this respect) or height gages.

Marrying one of these tools with one of our test indicators makes easy work of checking flatness, parallelism, height and depth.

