



Last Word® Dial Test Indicators

No. 711 Series .030"

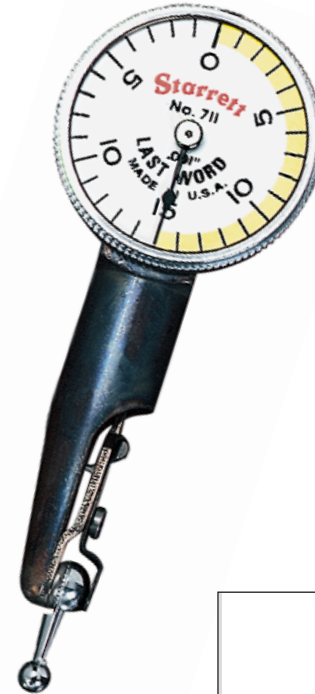
No. 711M Series 0.07mm

The venerable Last Word® Dial Test Indicator is among the most versatile available. Their small size and variety of attachments will handle all jobs with ease and accuracy. A very useful feature is the shaded dial – when used with a mirror, such as in a jig bore application, the operator will always know what the correct reading is.

Other features include:

- ◆ Ideal for precise measurements in all machining, layout, and inspection work
- ◆ Smooth, jeweled lever action
- ◆ Positive reversing switch
- ◆ Hard chrome-plated ratchet contact point
- ◆ Swiveling tubular body
- ◆ Easy reading dials, half-shaded yellow for clarity
- ◆ Variety of attachments available to suit the application, such as: universal or gooseneck shanks and universal friction holder with shank
- ◆ Indicators having "C" in the catalog number are furnished with 3 interchangeable steel contact points. All other indicators are furnished with one interchangeable steel contact point, No. PT07087. Carbide points available as listed

No. 711F Indicator only.



Right: No. 711LPSZ Indicator with Universal Friction Holder and shank.

Left: No. 711FSAZ Indicator with universal shank and body clamp attachment.




Last Word® Compact Dial Test Indicators Nos. 711 and 711M Series (continued)
Inch Reading

Graduation	Range	Dial Reading	Steel Contact Points		Description	Catalog No.	EDP No.
			Length Inch (mm)	Ball Diameter Inch (mm)			
.001"	.030"	0-15-0	5/32" (4mm)	One: .120" (3mm)	Indicator with Universal Shank Complete with Long and Short Arm, Body Clamp	711FSAZ	52925
					Indicator with Gooseneck Shank	711FSBZ	52927
					Indicator with Body Clamp Only	711FSZ	52929
					Indicator with Universal Friction Holder with Shank	711GPSZ	52944
					Indicator Complete with All Attachments*	711GCSZ	52943
.0005"	.030"	0-15-0	5/32" (4mm)	One: .120" (3mm)	Indicator with Universal Shank Complete with Long and Short Arm, Body Clamp	711HSAZ	52951
					Indicator with Body Clamp Only	711HSZ	52953
					Indicator with Universal Friction Holder with Shank	711LPSZ	52958
					Indicator Complete with All Attachments*	711LCSZ	52957
					Indicator Complete with All Attachments*	711LCSZ	52957

Millimeter Reading

0.01mm	0.7mm	0-35-0	5/32" (4mm)	One: .120" (3mm)	Indicator with Universal Shank Complete with Long and Short Arm, Body Clamp	711MFAZ	52926
					Indicator with Body Clamp Only	711MFSZ	52930
					Indicator with Universal Friction Holder with Shank	711MGPSZ	52946
					Indicator Complete with All Attachments*	711MGCSZ	52945
					Indicator Complete with All Attachments*	711MGCSZ	52945

*Attachments include 3 contact points – body clamp – universal friction holder with shank – universal shank complete with long and short arm – double-jointed attachment – height gage attachment – surface gage attachment – coupling with 3/16" (4.8 mm) hole.

Individual Contact Points (Fit All No. 711 Series)

Length		Ball Diameter		Material	Part No.	EDP No.
Inch	mm	Inch	mm			
5/32"	4mm	.035"	0.9mm	Steel	PT07137	70945
		.062"	1.6mm		PT07136	70944
		.120"	3mm		PT07087	70912
		.035"	0.9mm	Carbide	PT07137X	52964
		.062"	1.6mm		PT07136X	52965
		.120"	3mm		PT07087X	52966



Attachments for Starrett No. 711 Series Last Word® Dial Test Indicators

A. *Body Clamp – No. PT07101F
Permits the indicator to be held by its body and clamped to any diameter rod from 1/8-1/4" (3-6mm). It will attach directly to the rod on the Starrett No. 252 Height Transfer Gage, Nos. 57 and 257 Surface Gage Scribes and No. 657A and AA Holder. It also attaches the universal shank to the indicator with the addition of No. PT07104F Long and Short Arm.



B. *Universal Friction Holder with shank – No. 711EA – This inserts in place of the end plug at the top of the indicator body. The shank has a 3/16" (4.8mm) diameter which will fit into chucks and also into the snugs of our Nos. 57 and 257 Surface Gages.



C. *Universal Shank – No. PT07103A
This shank includes No. PT07104F (the long and short arm) to go into the body clamp. With its shank size of 1/4" x 1/2" (6.4 x 12.7mm) this can be used in a lathe tool post or for Starrett Height Gage Nos. 254 and 259.



D. Gooseneck Shank – No. PT07107A
1/4" x 1/2" (6.4 x 12.7mm) shank can be used on tool posts and on the same height gages as the No. PT07103A Universal Shank. It is attached by unscrewing the body clamp and replacing it with the gooseneck shank.



E. *Double-Jointed Attachment – No. PT13301 – This attachment has a 3/8" (9.5mm) diameter at one end and a 1/4" (6.3mm) diameter at the other end and will fit into chucks and collets, (such as in a jig borer) and hold the indicator by the body clamp, giving it greater depth and diameter range.



F. *Long and Short Arm – No. PT07104F
This is used with the universal shank to attach it to the body clamp. It has a 3/16" (4.8mm) diameter and arms with 13/16" and 1-3/16" (20mm and 30mm) lengths.



G. *Coupling with 3/16" (4.8mm) hole – No. PT05116 – Coupling slips over the long and short arm No. PT07104F and the shank of No. PT13175 Universal Friction Holder to permit offset.



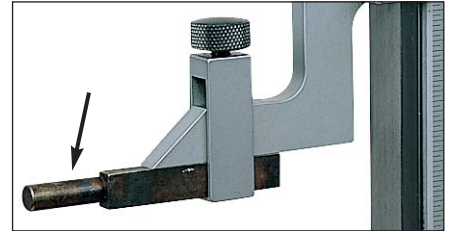
H. *Height Gage Attachment – No. PT24706 – This inserts in place of the end plug at the top of the indicator body. The 3/16" x 11/32" (4.8 x 8.7mm) shank fits Starrett No. 255 12", 18" and 24" Height Gages.



I. Height Gage Attachment – No. 711-49 – 1/8" x 5/16" (3 x 8mm). This goes into the body clamp and allows the indicator to be used on Starrett Nos. 250, 354, 454-10", 750, 751 Height Gages.



J. Height Gage Attachment – No. 711-35 – 3/16" x 3/8" (4.8 x 9.5mm). This goes into the body clamp and is used for Starrett No. 255 12", 18" and 24" Height Gages.



K. Indicator Axial Support – No. PT26007
This triple-hinged indicator holder will hold our No. 711 Series Indicators by putting a shank or rod through the 3/16" (4.7mm) mounting hole. Also designed to mount dovetail indicators. Overall length is approximately 5-1/4" (133mm) – shank size is 3/8" (9.5mm).



L. *Surface Gage Attachment – No. PT05119 – Fits in place of the ball shank of the No. 711EA Attachment. Allows Nos. 711G and L Indicators to be used on holders with smaller clamp holes.



M. Tool Post Holder – No. PT11770A
1/4" x 1-5/16" (6.3 x 33mm) post and 1/4" x 1/2" (6.3 x 12.7mm) shank. For use in tool posts or in height gages.



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



Attachments for Starrett No. 711 Series Last Word® Dial Test Indicators (continued)

N. Rubber Dust Guard – No. PT09764
Protects the indicators' working parts by sealing out dust, powder, and other foreign matter under adverse gaging conditions.



O. Collet Adaptor – No. PT28315
To be used with a 3/16" (4.7mm) diameter attachment for indicators such as PT22429 dovetail body clamp and PT0710F long and short arm attachments.



Photo Key	Description	Part No.	EDP No.
A*	Body Clamp	PT07101F	70924
B*	Universal Friction Holder with Shank	711EA	52924
C*	Universal Shank Complete with Long and Short Arm	PT07103A	52939
D	Gooseneck Shank	PT07107A	52937
E*	Double-Jointed Attachment	PT13301	71441
F*	Long and Short Arm	PT07104F	70929
G*	Coupling with 3/16" (4.8mm) Hole	PT05116	70556
H*	Height Gage Attachment	PT24706	65064
I		711-49	52941
J		711-35	52942
K	Indicator Axial Support	PT26007	65101
L*	Surface Gage Attachment	PT05119	70557
M	Tool Post Holder	PT11770A	71361
N	Rubber Dust Guard	PT09764	71290
O	Collet Adaptor	PT28315	68847

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