

## BACK PLUNGER INDICATORS

### 196, 196M UNIVERSAL BACK PLUNGER DIAL INDICATORS

#### .200", 5MM

Our 196 Indicator is one of the most versatile indicators available ... and it is the "granddaddy" of them all. Over the years this tool has been improved by methods and materials, but the basic design is unchanged. The design has withstood the test of time and beaten all challengers because it is:

- Accurate and reliable
- Simple to operate
- Rugged, with few moving parts
- Smooth in operation



196R, 196MR



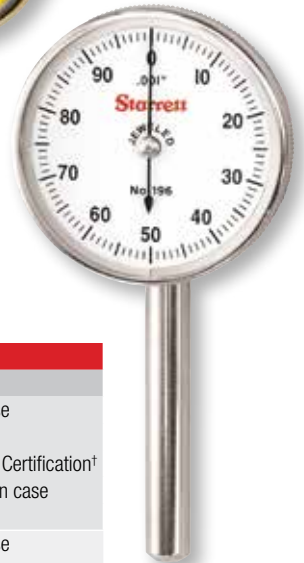
PT05471



PT05472



PT05473

Left: 196MB1  
Below: 196B1

#### Contact Points and Adapters Only for 196 and 196M Universal Back Plunger Dial Indicators

Catalog/Part No.	EDP	Description
196R	50711	Adapter**
196MR	67457	Adapter (metric threads)
PT05471	70617	Hardened steel contact point
PT05472	70618	
PT05473	70619	

\*\* For Contact Points with #4-48 Thread, see AGD Contact Listings.

#### 196 Universal Back Plunger Dial Indicators (1/4" Shank Diameter)

Cat. No.	EDP	Grad.	Range	Dial Reading	Description
196A1Z	50697				Indicator with 3 contact points, adapter, 4 attachments* in case
196B1	50699				Indicator with 3 contact points and adapter only
196B1 W/SLC	66865	.001"	.200"	0-100	Indicator with 3 contact points, adapter, and Standard Letter of Certification†
196A6Z	50701				Antimagnetic Indicator with 3 contact points, 4 attachments* in case
196B6	50702				Antimagnetic Indicator with 3 contact points only
196A5Z	50714	.001"	.200"	0-50-0	Indicator with 3 contact points, adapter, 4 attachments* in case
196B5	50717				Indicator with 3 contact points and adapter only

#### 196M Universal Back Plunger Dial Indicators (6.3mm Shank Diameter)

Cat. No.	EDP	Grad.	Range	Dial Reading	Description
196MA1Z	65251				Indicator with 3 contact points, adapter, 4 attachments* in case
196MB1	65252	0.02mm	5mm	0-100 Yellow Dial Face	Indicator with 3 contact points and adapter only
196MA5Z	65253				Indicator with 3 contact points, adapter 196R, 4 attachments* in case
196MB5	65254	0.02mm	5mm	0-50-0 Yellow Dial Face	Indicator with 3 contact points and adapter only

\* Attachments include clamp, tool post holder, snug and hole attachment.

† Includes redemption card for Standard Letter of Certification (SLC).

While there is a need for indicators with finer graduations, such as our 708 Indicators, this indicator with graduations to .001" and 0.02mm will handle by far the majority of jobs. Shank diameter is 1/4" (6.3mm). Antimagnetic models are also available: (inch reading) 196A6Z and 196B6.

For full use, the operator first chooses the proper contact from the three hardened contact points that come with each model. Then the contact should be brought against the work with enough pressure to give the hand one full turn. Set the hand at zero by rotating the dial with the knurled bezel. This provides one full rotation of the hand both to the right and left of zero, showing a rise or drop in the work and the amount of that variation.

