

# AMPT PRO Semi-Circular Bend (SCB) and Indirect Tensile (IDT) Kits

## Optional Accessories

### ADVANCED PAVEMENTS TESTING SYSTEMS



The AMPT PRO Semi-Circular Bend (SCB) and Indirect Tensile (IDT) Upgrade Kits have been designed and engineered to further increase the capabilities of your AMPT.

**IPC Global's AMPT SCB Kit** expands the capability of the AMPT to meet the requirements of SCB tests per ASTM D8044 (LSU SCB) and AASHTO TP 124 (Illinois SCB) Standards.

**The AMPT IDT Kit** expands the capability of the AMPT to perform dynamic modulus tests by an indirect tensile method on thin, field-cored specimens of 150mm diameter. IPC Global's upgrade kits will provide accurate and repeatable results for years to come.

## Specifications

### Features

- Precision engineered
- Easily extends the capability of your AMPT
- Linear guided top platen for Indirect Tensile Specimen Sizes of 150mm diameter specimens
- Self aligning top platen for SCB

### Standards

AMPT Indirect Tensile Test  
 ASTM D8044 (LSU SCB) Cracking Resistance  
 Test at Intermediate Temperatures  
 AASHTO TP 124 (Illinois SCB) Fracture Potential  
 using FIT at Intermediate Temperatures

### Dimensions and Weight

#### Indirect Tensile

|            |                      |
|------------|----------------------|
| Dimensions | 200x160x80mm (HxWxD) |
| Weight     | 1.2kg                |

#### Draft for ASTM/AASHTO

|            |                       |
|------------|-----------------------|
| Dimensions | 200x140x166mm (HxWxD) |
| Weight     | 6kg                   |

### AMPT IDT Ordering Information

- PV71407 – AMPT IDT/SCB base jig
- PV71400 – AMPT Indirect Tensile Kit
- PV71402 – AASHTO T322/TP9 150mm target mounting jig
- PV71404 – Mounting targets - long
- PV71403 – Mounting targets - short

### AMPT SCB Ordering Information

- PV71407 – AMPT IDT/SCB base jig
- PV71408 – SCB loading platen assembly
- PV70131 – Upgrade kit option for ASTM D8044 (LSU)
- PV70139 – Upgrade kit option for AASHTO TP124 (Illinois)

\*Additional accessories may be required based on your testing requirements

## Test Descriptions

**IPC Global's AMPT PRO Indirect Tensile Kit is specifically designed for performing dynamic modulus tests on thin bituminous mixtures of 150mm diameter. The modulus tests are used to characterize asphalt mixtures for performance based road pavement design.**

**The AASHTO TP124 Semi-Circular Bend Kit** is precision engineered to accurately determine the fracture energy and post peak slope of asphalt mixtures using semi-circular specimens in the Flexibility Index Test (FIT) conducted at an intermediate test temperature.

**The ASTM D8044 Semi-Circular Bend Kit** is precision engineered to accurately determine the cracking resistance at Long Term Pavement Performance (LTPP) database intermediate temperatures using semi-circular bend asphalt mix samples tested monotonically.

## Superior Performance

IPC Global offers a wide variety of accessories to extend the range of their advanced testing machines. The range includes fixtures for performing a variety of tests to local and international standards, displacement transducers and specimen preparation equipment. IPC Global's accessories are constructed of high quality robust materials thus ensuring superior performance and appearance for years to come.



ASTM D8044 (LSU SCB)



Indirect Tensile Kit

## ► IPC Global Customer Care

**At IPC Global we are proud of our products.**

We are dedicated to supplying high quality, accurate, affordable, easy-to-use systems for Advanced Testing of asphalt, binders and other pavement materials. As a valued customer of IPC Global you will receive continuous, expert support and advice for your instrument. Furthermore, we offer full installation and training in the correct operation of your IPC Global equipment. For support from our expert Customer Care Team, contact your local IPC Global-Controls office/distributor or email [ipcglobalsupport@controls-group.com](mailto:ipcglobalsupport@controls-group.com).

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