

# Semi-Circular Bend (SCB) Jigs

## Accessories

### ADVANCED PAVEMENTS TESTING SYSTEMS



IPC Global's Semi-Circular Bend (SCB) Kits have been designed and engineered to further increase the capabilities of your Universal Testing Machine, AsphaltQube or Asphalt Standards Tester.

IPC Global's SCB Jigs expand the capability of your UTM System to meet the requirements of SCB tests per AASHTO TP124 (FIT/SCB), ASTM D8044 and AASHTO TP105 Standards.

Constructed using high quality materials 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 UTM System, AsphaltQube or Asphalt Standards Tester
- Design specifically for asphalt specimen sizes of 150mm diameter
- Self-aligning top platen for SCB
- Constructed using high quality materials for long life and test accuracy.

### Test Standards

- AASHTO TP124 Method A or B (Illinois FIT) – Fracture Potential using FIT at Intermediate Temperatures
- ASTM D8044 (LSU) – Cracking Resistance Test at Intermediate Temperatures
- AASHTO TP105 – Fracture Energy of Asphalt Mixtures using SCB

### Dimensions and Weight

<b>Dimensions (approx.)</b>	200 x 140 x 166mm (HxWxD)
<b>Weight</b>	6kg

### Ordering Information

- 79-PV70135 – SCB jig base for Draft AASHTO/ASTM
- 79-PV70131 – Upgrade kit option for ASTM D8044 (LSU)
- 79-PV70136 – Upgrade kit option for AASHTO TP105†
- 79-PV70139 – Upgrade kit option for AASHTO TP124 (Illinois)
- 79-PV70140 – LVDT mounting kit
- 79-PV70141 – +/-12.5mm LVDT with ILC

† Available for UTM-30 with -50°C Environmental Chamber and other systems on application.

Additional accessories may be required to create a working testing system. Please contact us for advice.

## Testing Made Easy

**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.

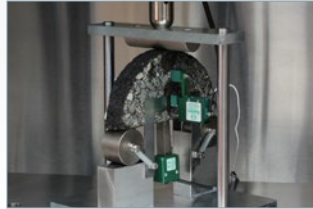
**AASHTO TP105** is precision engineered to accurately determine the fracture energy of asphalt mixtures using the semicircular bend geometry (SCB).



AASHTO TP124 Method A (Illinois FIT)



AASHTO TP124 Method B (Illinois FIT)



AASHTO TP105

## 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.

## ► 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).

Visit our website for more information [www.controls-group.com/ipcglobal](http://www.controls-group.com/ipcglobal).



## ► Contact Us

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