

# Few-Mode Fiber Mechanical Mode Stripper



## Product Overview

The mechanical mode stripper is designed for use with few-mode-fibre to highly attenuate higher order modes, whilst allowing the fundamental LP<sub>01</sub> mode to propagate with minimal loss. This enables LP<sub>01</sub> filtering giving a high quality mode prior to mode conversion. For example, with an LPG, or prior to coupling to single mode fibre outputs. It is simple to use and can be inserted at any location in the system by winding the fiber around the bobbins and fixing.

## Technical Details

SPECIFICATION	Units	
Wavelength	nm	1520 - 1640
Excess Loss <sup>1</sup> (LP <sub>01</sub> )	dB	<0.2
Return Loss <sup>1</sup>	dB	>60
Operating Temperature Range	°C	-5 to 70
Storage Temperature	°C	-40 to +85

### Notes

- Losses do not include connectors.

## Features & Applications

### FEATURES

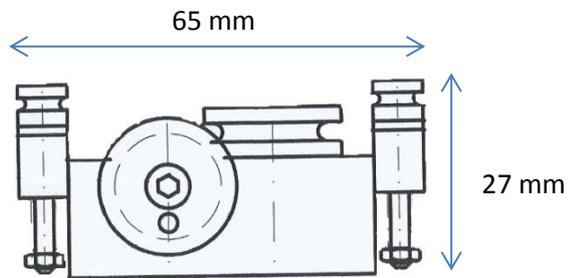
- High loss LP<sub>11</sub>, low loss LP<sub>01</sub>
- Compact design
- High mode isolation
- Low loss

### APPLICATIONS

- LP<sub>01</sub> filtering prior to higher order mode conversion
- Mode division multiplexing/demultiplexing
- Few-mode fiber component test
- Few-mode fiber sensors

## Dimensions

All dimensions are approximate and may vary slightly.



## Ordering Information

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For more information please contact Phoenix sales:  
[sales@phoenixphotonics.com](mailto:sales@phoenixphotonics.com) or visit us at  
[www.phoenixphotonics.com](http://www.phoenixphotonics.com)