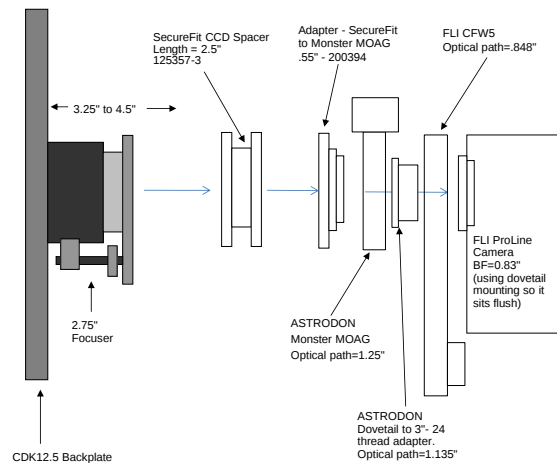


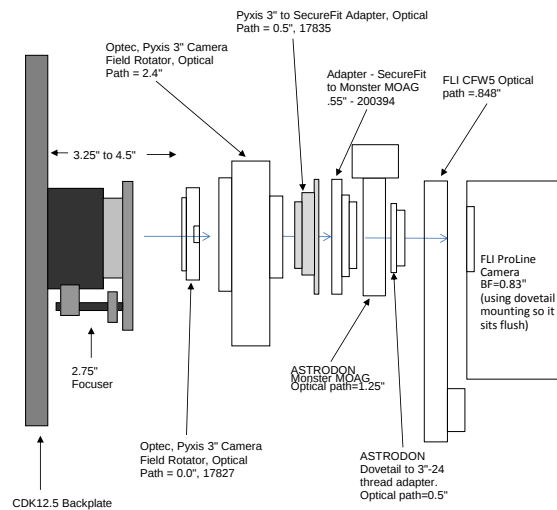
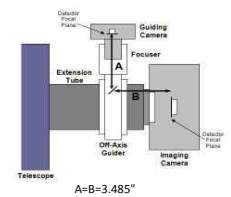
# CDK12.5 - OPTICAL TRAIN: for FINGERLAKES PROLINE CAMERA AND FILTERWHEEL

Distance to Focuser Mounting Surface

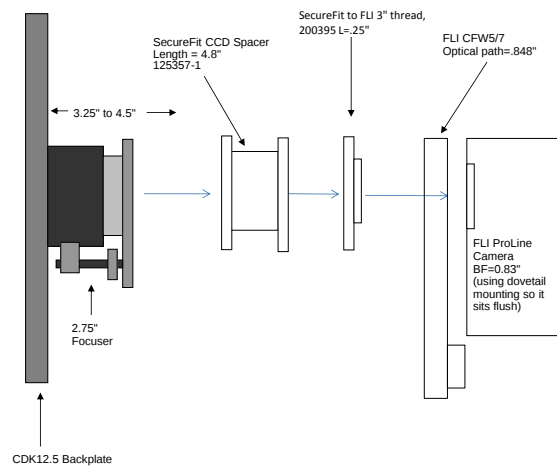
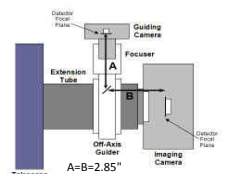
10.445



|                                            |        |              |
|--------------------------------------------|--------|--------------|
| FLI Proline, CFW5, and MonsterMOAG         | 10.445 | remaining BF |
| 2.75" Focuser (racked in)                  | 3.25   | 7.195        |
| Focus position (0 to 1.3")                 | 0.467  | 6.728        |
| SecureFit CCD Spacer - 125357-3            | 2.5    | 4.228        |
| Adapter SecureFit to Monster MOAG - 200394 | 0.55   | 3.678        |
| Monster MOAG - MMOAG                       | 1.25   | 2.428        |
| AstroDon Adapter 3" -24 (MMOAG -3-L)       | 0.75   | 1.678        |
| FLI CFW5 Filter Wheel                      | 0.848  | 0.83         |
| FLI Proline Camera Body                    | 0.83   | 0            |



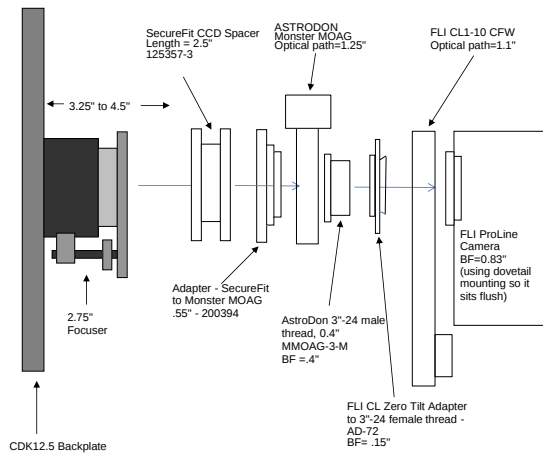
|                                                |        |              |
|------------------------------------------------|--------|--------------|
| FLI Proline, CFW5, Monster MOAG, Pyxis         | 10.445 | remaining BF |
| 2.75" Focuser (racked in)                      | 3.25   | 7.195        |
| Focus position (0 to 1.3")                     | 0.317  | 6.878        |
| PW 12.5 to Optec-3600 dovetail adapter - 17827 | 0      | 6.878        |
| Optec Pyxis 3" Camera Rotator                  | 2.4    | 4.478        |
| Optec Pyxis 3" to SecureFit Adapter - 17835    | 0.5    | 3.978        |
| Adapter SecureFit to Monster MOAG - 200394     | 0.55   | 3.428        |
| Monster MOAG - MMOAG                           | 1.25   | 2.178        |
| AstroDon Adapter to 3"-24 thread, .5" long     | 0.5    | 1.678        |
| FLI CFW5 Filter Wheel                          | 0.848  | 0.83         |
| FLI Proline Camera Body                        | 0.83   | 0            |



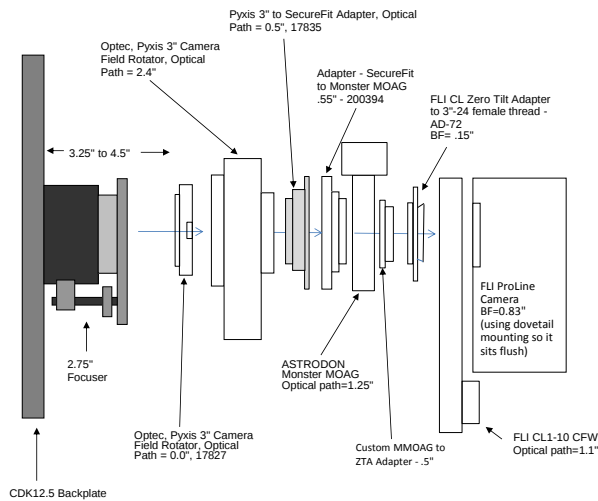
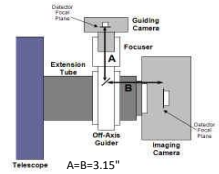
|                                       |        |              |
|---------------------------------------|--------|--------------|
| FLI Proline with CFW5/7               | 10.445 | remaining BF |
| 2.75" Focuser (racked in)             | 3.25   | 7.195        |
| Focus position (0 to 1.3")            | 0.467  | 6.728        |
| SecureFit CCD Spacer - 125357-3       | 4.8    | 1.928        |
| SecureFit FLI 3" CCD Adapter - 200395 | 0.25   | 1.678        |
| FLI CFW5 Filter Wheel                 | 0.848  | 0.83         |
| FLI Proline Camera Body               | 0.83   | 0            |

# CDK12.5 - OPTICAL TRAIN: for FINGERLAKES PROLINE CAMERA AND CENTERLINE FILTERWHEEL

Distance to Focuser Mounting Surface 10.445

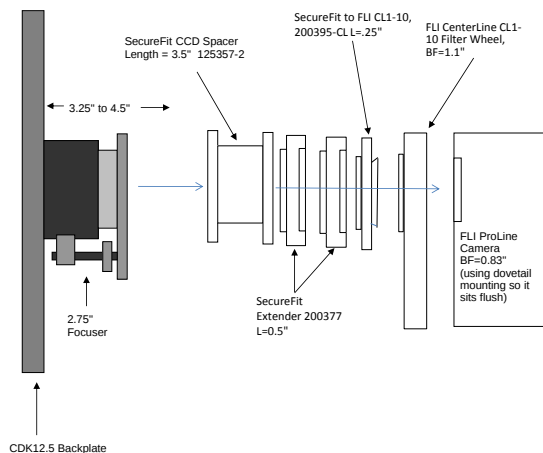
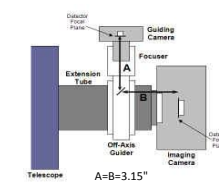


|                                                        |              |              |
|--------------------------------------------------------|--------------|--------------|
| FLI Proline, CL1-10, and MonsterMOAG                   | 10.445       | remaining BF |
| 2.75" Focuser (racked in)                              | 3.25         | 7.195        |
| <b>Focus position (0 to 1.3")</b>                      | <b>0.415</b> | 6.78         |
| SecureFit CCD Spacer - 125357-3                        | 2.5          | 4.28         |
| Adapter SecureFit to Monster MOAG - 200394             | 0.55         | 3.73         |
| Monster MOAG - MMOAG                                   | 1.25         | 2.48         |
| AstroDon 3"-24 male thread, 0.4" MMOAG-3-M             | 0.4          | 2.08         |
| FLI CL Zero Tilt Adapter to 3"-24 female thread -AD-72 | 0.15         | 1.93         |
| FLI CL1-10 Filter Wheel                                | 1.1          | 0.83         |
| FLI Proline Camera Body                                | 0.83         | 0            |



**This configuration does not reach focus without the use of a custom adapter**

|                                                        |          |              |
|--------------------------------------------------------|----------|--------------|
| FLI Proline, CL1-10, Monster MOAG, Pyxis               | 10.445   | remaining BF |
| 2.75" Focuser (racked in)                              | 3.25     | 7.195        |
| <b>Focus position (0 to 1.3")</b>                      | <b>0</b> | 7.195        |
| PW 12.5 to Optec-3600 dovetail adapter - 17827         | 0        | 7.195        |
| Optec Pyxis 3" Camera Rotator                          | 2.4      | 4.795        |
| Optec Pyxis 3" to SecureFit Adapter - 17835            | 0.5      | 4.295        |
| Adapter SecureFit to Monster MOAG - 200394             | 0.55     | 3.745        |
| Monster MOAG - MMOAG                                   | 1.25     | 2.495        |
| AstroDon 3"-24 male thread, 0.4" MMOAG-3-M             | 0.4      | 2.095        |
| FLI CL Zero Tilt Adapter to 3"-24 female thread -AD-72 | 0.15     | 1.945        |
| FLI CL1-10 Filter Wheel                                | 1.1      | 0.845        |
| FLI Proline Camera Body                                | 0.83     | 0.015        |



|                                             |              |              |
|---------------------------------------------|--------------|--------------|
| FLI Proline with CL1-10 filter wheel        | 10.445       | remaining BF |
| 2.75" Focuser (racked in)                   | 3.25         | 7.195        |
| <b>Focus position (0 to 1.3")</b>           | <b>0.515</b> | 6.68         |
| SecureFit CCD Spacer - 125357-2             | 3.5          | 3.18         |
| SecureFit CCD Extender - 200377             | 0.5          | 2.68         |
| SecureFit CCD Extender - 200377             | 0.5          | 2.18         |
| SecureFit to FLI Centerline CFW - 200395-CL | 0.25         | 1.93         |
| FLI CL1-10 Filter Wheel                     | 1.1          | 0.83         |
| FLI Proline Camera Body                     | 0.83         | 0            |