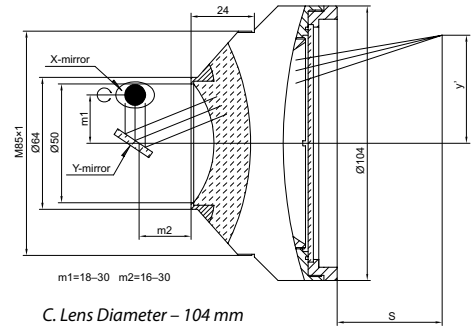
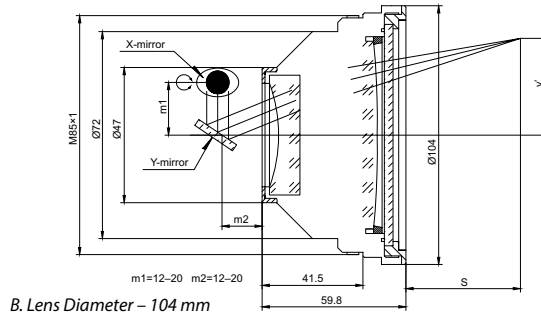
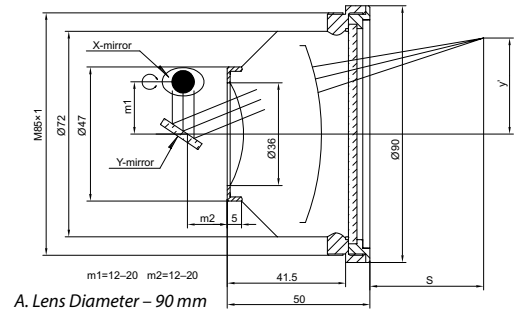


F-THETA LENS



F-Theta lenses are designed to provide a flat field on the image plane for scanning and engraving applications where a high power laser and a set of rotating mirrors are used to scan across a given field.



**BEST MIRROR PLACES m1/m2 – 16/16 mm, screw size – M85x1**

Wavelength – 1064 nm, Lens Diameter – 90 mm

| Focus length, mm | Working distance S, mm | Max. scan area, mm <sup>2</sup> | Max. scan angle, θ max | Input beam diameter, mm | Spot size, μm | Drawing | Catalogue number         | Price, EUR |
|------------------|------------------------|---------------------------------|------------------------|-------------------------|---------------|---------|--------------------------|------------|
| 100              | 115                    | 70×70                           | ±28°                   | 12                      | 16            | A       | <a href="#">150-1001</a> | 420        |
| 160              | 176                    | 110×110                         | ±28°                   | 12                      | 26            | A       | <a href="#">150-1601</a> | 420        |
| 210              | 230                    | 145×145                         | ±28°                   | 12                      | 34            | A       | <a href="#">150-2101</a> | 420        |
| 254              | 284                    | 175×175                         | ±28°                   | 16                      | 31            | A       | <a href="#">150-2541</a> | 420        |
| 290              | 324                    | 200×200                         | ±28°                   | 16                      | 31            | A       | <a href="#">150-2901</a> | 420        |
| 330              | 346                    | 220×220                         | ±28°                   | 16                      | 40            | A       | <a href="#">150-3301</a> | 420        |
| 420              | 467                    | 300×300                         | ±28°                   | 16                      | 50            | A       | <a href="#">150-4201</a> | 420        |

Wavelength – 532 nm, Lens Diameter – 90 mm

| Focus length, mm | Working distance S, mm | Max. scan area, mm <sup>2</sup> | Max. scan angle, θ max | Input beam diameter, mm | Spot size, μm | Drawing | Catalogue number         | Price, EUR |
|------------------|------------------------|---------------------------------|------------------------|-------------------------|---------------|---------|--------------------------|------------|
| 100              | 115                    | 70×70                           | ±28°                   | 12                      | 16            | A       | <a href="#">150-1002</a> | 460        |
| 160              | 186                    | 110×110                         | ±28°                   | 12                      | 16            | A       | <a href="#">150-1602</a> | 460        |

Wavelength – 355 nm

| Focus length, mm | Working distance S, mm | Max. scan area, mm <sup>2</sup> | Max. scan angle, θ max | Input beam diameter, mm | Spot size, μm | Drawing | Catalogue number         | Price, EUR |
|------------------|------------------------|---------------------------------|------------------------|-------------------------|---------------|---------|--------------------------|------------|
| 100              | 126                    | 70×70                           | ±28°                   | 7                       | 10            | A       | <a href="#">150-1003</a> | 930        |
| 160              | 199                    | 110×110                         | ±28°                   | 7                       | 15            | B       | <a href="#">150-1603</a> | 930        |

**BEST MIRROR PLACES m1/m2 – 24/24 mm, screw size – M85x1**

Wavelength – 1064 nm, Lens Diameter – 104 mm

| Focus length, mm | Working distance S, mm | Max. scan area, mm <sup>2</sup> | Max. scan angle, θ max | Input beam diameter, mm | Spot size, μm | Drawing | Catalogue number         | Price, EUR |
|------------------|------------------------|---------------------------------|------------------------|-------------------------|---------------|---------|--------------------------|------------|
| 163              | 185                    | 110×110                         | ±28°                   | 20                      | 17            | C       | <a href="#">151-1631</a> | 520        |
| 210              | 255                    | 150×150                         | ±28°                   | 20                      | 24            | C       | <a href="#">151-2101</a> | 520        |
| 254              | 285                    | 175×175                         | ±28°                   | 20                      | 31            | C       | <a href="#">151-2541</a> | 520        |
| 420              | 467                    | 300×300                         | ±28°                   | 20                      | 55            | C       | <a href="#">151-4201</a> | 520        |
| 650              | 697                    | 400×400                         | ±25°                   | 20                      | 85            | C       | <a href="#">151-6501</a> | 520        |