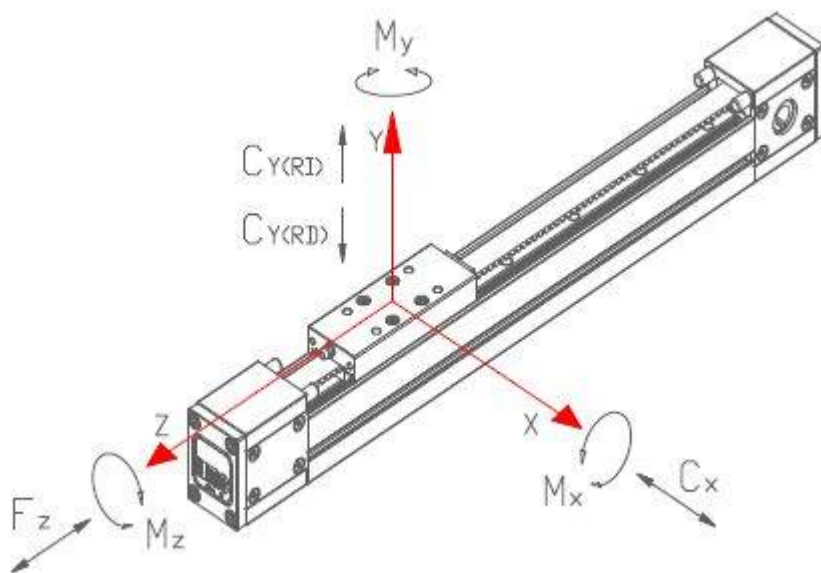


# ULCO 44

Performance in a small size, ideal for small power application with limited space. Good load rating.



## Mechanical Drawing



| <b>F<sub>z</sub></b> [daN] | <b>C<sub>x</sub></b> [daN] | <b>C<sub>y</sub></b> [daN] (*) | <b>C<sub>0x</sub></b> [daN] | <b>C<sub>0y</sub></b> [daN] (*) | <b>M<sub>0x</sub></b> [daNm] | <b>M<sub>0y</sub></b> [daNm] | <b>M<sub>0z</sub></b> [daNm] |
|----------------------------|----------------------------|--------------------------------|-----------------------------|---------------------------------|------------------------------|------------------------------|------------------------------|
| <b>105</b>                 | <b>1190</b>                | <b>1190↓</b><br><b>1190↑</b>   | <b>1932</b>                 | <b>1932↓</b><br><b>1932↑</b>    | <b>7,3</b>                   | <b>7,3</b>                   | <b>10,1</b>                  |

## Technical data

| Parameter         | Symbol | Value | Unit |
|-------------------|--------|-------|------|
| Max usable stroke |        | 6500  | mm   |

|                                       |      |                                 |                  |
|---------------------------------------|------|---------------------------------|------------------|
| Total length                          | Ltot | C+Lc+210                        | mm               |
| Carriage length                       | Lc   | 125                             | mm               |
| Carriage usable length                | Lu   | 110                             | mm               |
| Extra-stroke (safety)                 | Ec   | 60                              | mm               |
| Max speed                             |      | 250                             | m/min            |
| Max acceleration                      |      | 100                             | m/s <sup>2</sup> |
| Position repeatability                |      | < 0.05                          | mm               |
| Aluminium profile section             |      | 44 x 43                         | mm               |
| Inertia momentum of aluminium profile | Ix   | 93110                           | mm <sup>4</sup>  |
| Inertia momentum of aluminium profile | Iy   | 162710                          | mm <sup>4</sup>  |
| Type of mechanic                      |      | linear guide with compact block |                  |
| Belt type                             |      | Poliuretan HTD-5M-17            |                  |
| Pulley teeth number                   |      | 24                              |                  |
| Diameter                              |      | 38,2                            | mm               |
| Linear movement per rotation          |      | 120                             | mm               |
| Operating temperature                 |      | -20 / +60                       | degrees          |

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