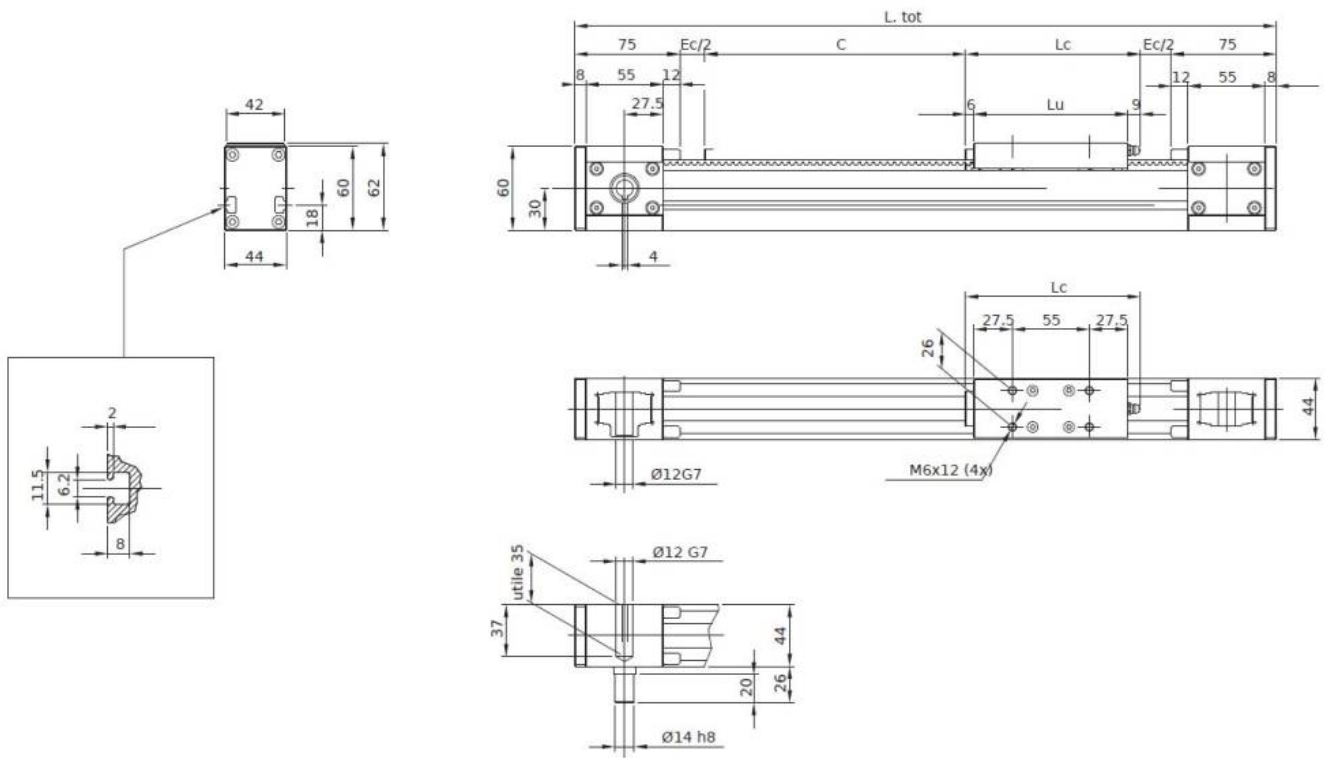


ULCO 44

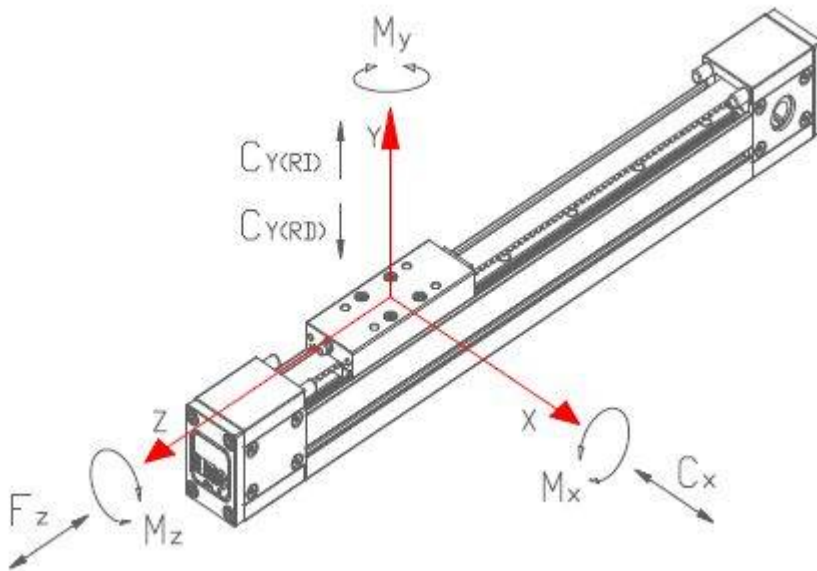
Performance in a small size, ideal for small power application with limited space. Good load rating.



Mechanical Drawing



Load rating



| Fz [daN] | Cx [daN] | Cy [daN] (*) | C _{ox} [daN] | C _{oy} [daN] (*) | M _{ox} [daNm] | M _{oy} [daNm] | M _{oz} [daNm] |
|----------|----------|----------------|-----------------------|---------------------------|------------------------|------------------------|------------------------|
| 105 | 1190 | 1190↓ 1190↑ | 1932 | 1932↓ 1932↑ | 7,3 | 7,3 | 10,1 |

Technical data

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

| | | | |
|---------------------------------------|------|---------------------------------|--------------------|
| Total lenght | 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/sec ² |
| Position repeatability | | < 0.05 | mm |
| Aluminium profile section | | 44 x 43 | mm |
| Inertia momentum of aluminium profile | Ix | 93110 | mm ⁴ |
| Inertia momentum of aluminium profile | Iy | 162710 | mm ⁴ |
| Type of mechanic | | linear guide with compact block | |
| Belt type | | Poliuretán HTD-5M-17 | |
| Pulley teeth number | | 24 | |
| Diameter | | 38,2 | mm |
| Linear movement per rotation | | 120 | mm |
| Operating temperature | | -20 / +60 | degrees |

From:

<https://dokuwiki.nilab.at/> - **NiLAB GmbH**
Knowledgebase

Permanent link:

<https://dokuwiki.nilab.at/doku.php?id=ulco:ulco-44>

Last update: **2025/07/24 13:18**

