



## Selection procedure for linear drives with open length belts

Customer .....

Poggi reseller .....

Date .....

Industrial activity .....

Drive .....

### SELECTION PROCEDURE

The following details are required in order to select a linear drive:

- |                       |       |                |                     |                            |       |                |      |
|-----------------------|-------|----------------|---------------------|----------------------------|-------|----------------|------|
| 1) Linear velocity    | ..... | V              | (m/s)               | 6) Belt length             | ..... | L              | (mm) |
| 2) Acceleration       | ..... | ac             | (m/s <sup>2</sup> ) | 7) Pulley diameter         | ..... | D <sub>p</sub> | (mm) |
| 3) Deceleration       | ..... | dc             | (m/s <sup>2</sup> ) | 8) Pulley bore diameter    | ..... | d              | (mm) |
| 4) Mass of carriage   | ..... | m <sub>c</sub> | (kg)                | 9) Coefficient of friction | ..... | η              |      |
| 5) Stroke of carriage | ..... | S              | (mm)                | 10) Middle pulsating loads |       | C3             |      |

It is also necessary to know whether the motion is horizontal, vertical or slanting and, in that last case, the inclination angle.

### Load factor C3

Operating conditions		C3
Uniform load		1,0
Pulsating load	Low	1,4
	Middle	1,7
	Heavy	2,0