

DRUM CALCULATION

ALTEMA is able to provide a design calculation of your drums, thanks to a dedicated software for this kind of application. In order to help you in the design, please fill in this document. We also kindly ask you to give us the outer dimension of the drum.

[Download our blank drawings to be filled in our website !](#)

DRIVE / DOUBLE DRIVE PULLEY // Ref :

- Number of gear-motor (s) :
- Power per gear-motor : Kw
- Shaft \varnothing at the gear-box : mm
- Belt speed : m/s
- Bearing center distance : mm
- Tension force of the tight slide at the start (T1) : N
- Tension force of the slack slide at the start (T2) : N
- Tension force of the tight slide in operation (T1) : N
- Tension force of the slack slide in operation (T2) : N

TAIL / TENSION PULLEY // Ref :

- Belt speed : m/s
- Bearing centre distance : mm
- Tension force of the tight slide in operation (T4) : N
- Tension force of the slack slide in operation (T3) : N

* Also often called 2x T3 for this kind of drum

In addition to the above requested informations, please indicate us your preferences or constraints (*for example : choice of material for the shaft / the drum, kind of connections between shaft and flanges, etc.*) as well as every detail which could us in the choice of technical solutions (*kind of application, conveyed product, etc.*). We will study the different possibilities according to these informations and will bring you the tailored solutions.