

DIGAMMA

INTERIOR GLASS PARTITIONING



PRECISION

ALUMINUM, GLASS & WOOD

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HISTORY

Digamma profile was designed in 2015 by BEGAS, [Bureau d'Etudes Georges Anis Sfeir], the company that founded PRECISION industries, to meet the sleek and minimalist design every architect would look for when designing modern offices.

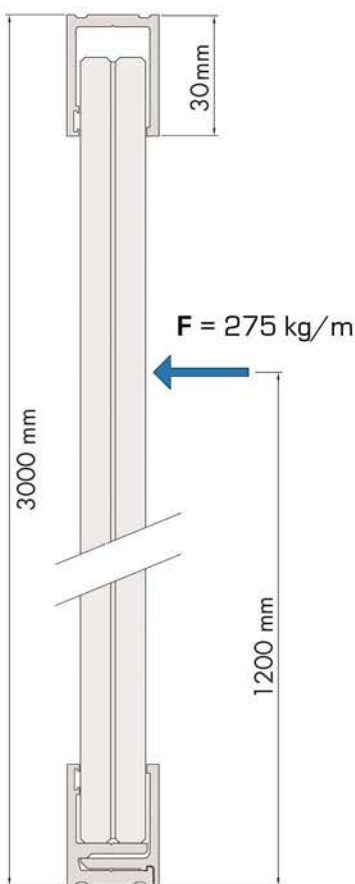
CHARACTERISTICS

Availability:

Anodized extruded aluminum or powder coated extruded aluminum.

Features:

- 3cm height channel on the upper and lower ends of the glass, with a special interlocking mechanism for the bottom aluminum bar.
- Suitable for glazing of thicknesses ranging from 8mm up to 13.52mm
- Frameless glass door fixed with oildynamic hinges.
- Glass door can be fixed on glass to offer a perfect frameless design or aluminum door jamb to offer more privacy and definition to the door.
- Designed to fit with European, mainly German and Italian door locks and hinges.



SUMMARY OF NUMERICAL ANALYSIS

Simulated loads and constraints

Material: **Aluminium 6060 T6 Alloy**

Maximum Yield Stress: **165 N/mm²**

Maximum Resistance Failure: **2015 N/mm²**

Distribution of Stress

Maximum stress detected on profile: **20.2 N/mm²**

Numerically assessed safety coefficient on material yield: **Cs = 8**

Conclusions

The material for simulated loads is widely secure

Deformations

Maximum deformation of the aluminium profile: **0.036mm**

Conclusions

The profile does not undergo such deformation as to give a feeling of insecurity to a user who might collide against it.



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