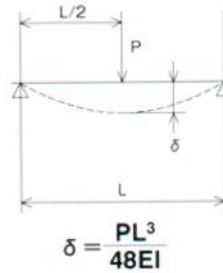


# D28 Technical Date

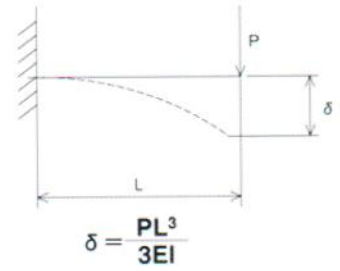
## D28 flexible volume

- P**  
(N) Load
- L**  
(mm) Frame length
- E**  
(N/mm<sup>2</sup>) Longitudinal elastic modulus (69972)
- I**  
(mm<sup>4</sup>) Geometrical moment of inertia (1.15) D28 Frame
- δ**  
(mm) Flexible volume

Supported beams on both sides



Supported beams on either side



( D28 frame)

**L=500 P=500N** (1 kgf=9.80665 N)

Supported beams on both sides

$$\delta = \frac{500 \times 500^3}{48 \times 69972 \times 1.15 \times 10^4} \approx 1.6 \text{ mm}$$

## Critical load

Type	Frame length (mm)	400	800	1200
D 2 8 Frame	Allowable load (N)	1453	726	484

\* Centralized loading conditions with supported beams on both sides. (1 kgf=9.80665 N)  
Stress is calculated using the bearing capacity.

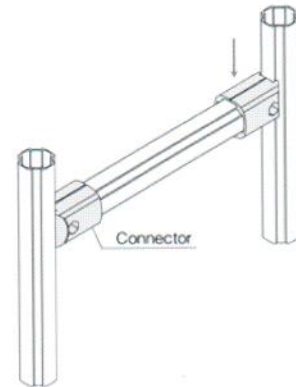
## Allowable load

### Connectors

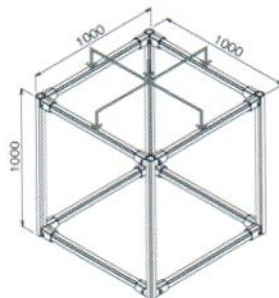
Allowable load (N)

Connector type	D28 Frame
Outer Type	<b>800</b>
Inner Type	<b>800</b>

(1 kgf=9.80665 N) \* Connectors may be misaligned if load exceeds the above values



### Unit products

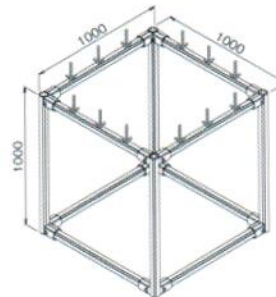


Allowable load (N)

D28 Frame

**775**

(1 kgf=9.80665 N)



Allowable load (N)

D28 Frame

**1239**

(1 kgf=9.80665 N)