



## HST7 OPTIONAL RECTANGULAR PORTAL with OVERHANGING TOP MEMBER

### HST7a



**Year 3**  
study

#### Features

- Welded Rectangular Portal
- Overhanging top member
- Roller Bearings
- Knife Edge

#### Description

Rectangular portal with roller bearing and knife-edge. Overhanging top member, rigid steel frame made from 25 x 8 mm

#### Related Laws/Applications

- Castiglianos' Theorem.
- Clerk Maxwell's Theorem.
- Simpsons Rule.
- Side Sway.
- Bending Moment Diagrams (BMD).

#### Learning capabilities

- Horizontal Deflections and Sidesway at different points on Portal using HST7

#### Technical Specification

- Portal: 780mm (L) x 100mm (W) x 600mm (H)
- 75mm overhang both sides
- Steel Portal Frame material: 25mm (W) x 8mm (t)

#### Essential Ancillaries

- HST7

#### Recommended Ancillaries

- HST7c
- HST7d
- HST7e
- HST7g

**What's in the Box?**

- 1 x Rectangular Portal

**You might also like**

- HST8
- HST12

**Weights & Dimensions**

- Weight: 4 kg
- Length: 780mm
- Width: 100mm
- Height: 600mm

**Essential Services**

- HST7

**Operational Conditions**

- Storage temperature: -10°C to +70°C
- Operating temperature range: +10°C to +50°C
- Operating relative humidity range: 0 to 95%, non condensing

**Ordering information**

To order this product, please call PA Hilton quoting the following code:  
HST7a

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