



## Thermally Rated Steel Door Sets

- EMERGENCY EXIT
- PERSONNEL DOORS

SUITABLE FOR INTERNAL  
AND EXTERNAL USE

### UNIQUE FEATURES

10-12 day lead time\*

Up to 2.96m high

U-value as low as 1.5 W/m<sup>2</sup>K

Available as PAS 24: 2016

\*Subject to manufacturing and stock availability



Steeldor Thermal was developed to comply with door efficiency targets stipulated by the government in Part L of the updated Building Regulations. The leaf has an insulated, internal Rockwool core enabling it to achieve a U-value as low as 1.5 W/m<sup>2</sup>K, compliant with the guidance in England.



# Typical **Steeldor** thermal door set specification

## Leaf

44mm door leaf thickness, fitted with an integrated astragal for added security. Comprising of 2 x 1.2mm 'Rustec' steel sheets, the leaf is internally bonded with a dutch fold stitch welded system providing greater stability and protection against de-lamination.

## Frames

Manufactured from lightweight, high tensile 1.5 mm thick 'Rustec' steel.

Adjust 2-Fit side expander system that offers up to 12mm expansion to the structural opening.

(See Figs. 1, 2, & 3)

## Thermal Transmittance

U-value as low as 1.6W/m2K for single door-sets and 1.5W/m2K for double door-sets.

## Door ironmongery

BS 7352 Grade 13 stainless steel, twin bearing template drilled butt hinges with integral high-security dog bolts are fitted as standard with CE marking. Other hardware on request.

## Industrial Door Threshold - 96mm

Standard aluminium threshold is Part M compliant and fitted with a neoprene seal for outward opening door-sets. AM3 inward opening and AM5 outward opening thresholds available on request.

## Finish

Supplied inclusive of a powder-coated finish in a standard colour. Full range of RAL and BS colours available.

## Acoustic Rating

Up to 39dB rating.

## Options and upgrades

Available as PAS 24: 2016.

## Earth Bonding Upgrade

Boost safety and meet industry standards with our new Earth Bonding upgrade. This feature enhances protection by providing a secure grounding point, offering peace of mind in environments where electrical safety is critical.

| Structural Opening | Single Door  | Double Door  |
|--------------------|--------------|--------------|
| Width              | Up to 1400mm | Up to 2700mm |
| Height             | Up to 2960mm | Up to 2960mm |



Fig 1. Single door with single rebate frame assembly

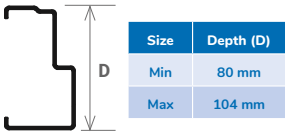
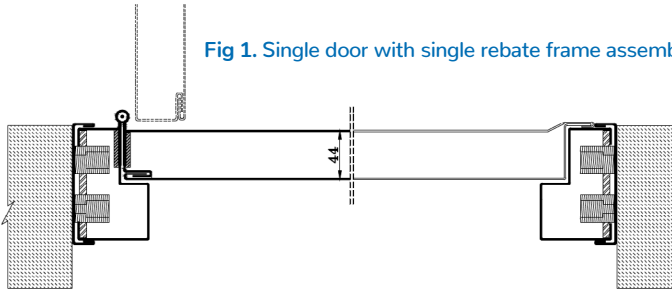


Fig 2. Single rebate frame assembly

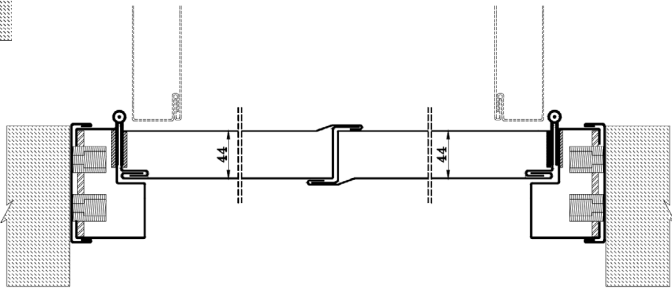


Fig 3. Double door with single rebate frame assembly