

|  | Value | Unit                               |
|--|-------|------------------------------------|
| Maximum service temperature  | 950   | °C                                 |
|  | 1,742 | °F                                 |
| Bulk density   | 750   | kg/m <sup>3</sup>                  |
|  | 47    | lb/ft <sup>3</sup>                 |
| Cold crushing strength (EN ISO 8895)   | 7.5   | MPa                                |
|  | 1,088 | lb/in <sup>2</sup>                 |
| Modulus of rupture (EN 993-6)  | 1.8   | MPa                                |
|  | 216   | lb/in <sup>2</sup>                 |
| Linear reheat shrinkage (EN 1094-6) after 12 hours at 900°C (1,652°F)          | 1.0   | %                                  |
| Total porosity (EN 1094-4)   | 68    | %                                  |
| Coefficient of reversible thermal expansion at 20°C to 750°C (68°F to 1,382°F) | 3.0   | ×10 <sup>-6</sup> K <sup>-1</sup>  |
|  | 1.7   | ×10 <sup>-6</sup> °F <sup>-1</sup> |
| Resistance to thermal shock (EN 993-11)  | > 30  | Cycles                             |

| Thermal conductivity (ASTM C-182) | Mean temperature |      |                                |
|-----------------------------------|------------------|------|--------------------------------|
|                                   | 200°C            | 0.15 | W/(m×K)                        |
|                                   | 400°C            | 0.17 | W/(m×K)                        |
|                                   | 600°C            | 0.19 | W/(m×K)                        |
|                                   | 800°C            | 0.21 | W/(m×K)                        |
|                                   | 392°F            | 1.04 | BTU/(ft <sup>2</sup> ×h×°F/in) |
|                                   | 752°F            | 1.18 | BTU/(ft <sup>2</sup> ×h×°F/in) |
|                                   | 1,112°F          | 1.32 | BTU/(ft <sup>2</sup> ×h×°F/in) |
|                                   | 1,472°F          | 1.46 | BTU/(ft <sup>2</sup> ×h×°F/in) |

| Chemical analysis                     |                                |     |   |
|---------------------------------------|--------------------------------|-----|---|
| Silica                                | SiO <sub>2</sub>               | 77  | % |
| Titanium dioxide                      | TiO <sub>2</sub>               | 0.7 | % |
| Ferric oxide                          | Fe <sub>2</sub> O <sub>3</sub> | 7.0 | % |
| Alumina                               | Al <sub>2</sub> O <sub>3</sub> | 9.0 | % |
| Magnesium oxide                       | MgO                            | 1.3 | % |
| Calcium oxide                         | CaO                            | 0.8 | % |
| Sodium oxide                          | Na <sub>2</sub> O              | 0.4 | % |
| Potassium oxide                       | K <sub>2</sub> O               | 1.6 | % |
| Sulphur trioxide                      | SO <sub>3</sub>                | 1.0 | % |
| Loss on ignition at 1,025°C (1,877°F) | LOI                            | 1.0 | % |

|   |            |  |
|---|------------|--|
| HS Tariff number (Harmonized Commodity Description and Coding System) | 6901.00.00 |  |
| Colour  | Red        |  |

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| Size                 | Length                           | Width                            | Thickness                        |
|----------------------|----------------------------------|----------------------------------|----------------------------------|
| Maximum              | 300mm                            | 250mm                            | 100mm                            |
| Minimum              | According to your specification  | According to your specification  | 38mm                             |
| Standard tolerances* | +0.5mm, -1.0mm / 1% (the larger) | +0.5mm, -1.0mm / 1% (the larger) | +0.5mm, -1.0mm / 1% (the larger) |
| Machined tolerances* | +0.5mm, -1.0mm / 1% (the larger) | +0.5mm, -1.0mm / 1% (the larger) | +0.5mm, -1.0mm / 1% (the larger) |

\*Dimensional tolerances depend on length and width

## General information

Not all size combinations are available for ordering.  
Contact Skamol for the tolerance for a specific size.

## Standard sizes

Check your Skamol price list or contact Skamol with your request.

## Machining

Special shapes machined to customer specification can be supplied for specific design requirements.

## Packaging

Products will be packed according to the Skamol standard.



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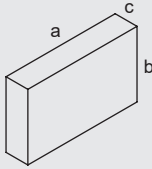
## Skamol Group

Hasselager Centervej 1, 8260 Viby, Denmark  
Tel.: +45 97 72 15 33

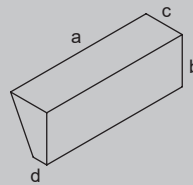
[www.skamol.com](http://www.skamol.com)

## Available shapes

1. Square



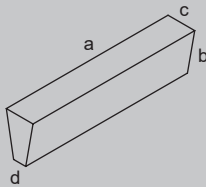
2. Side arch



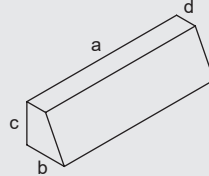
3. End arch



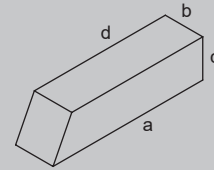
4. Double side arch



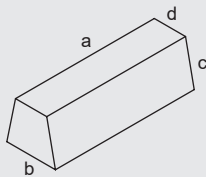
5. Side skew



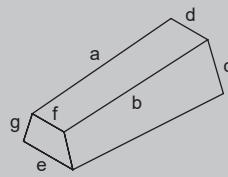
6. End skew



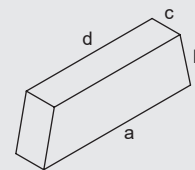
7. Double side chamfer



8. Dome brick



9. Tapered stretcher



10. Tapered header



a: Length  
 b: Width  
 c: Thickness  
 d: Other  
 e: Other  
 f: Other  
 g: Other

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