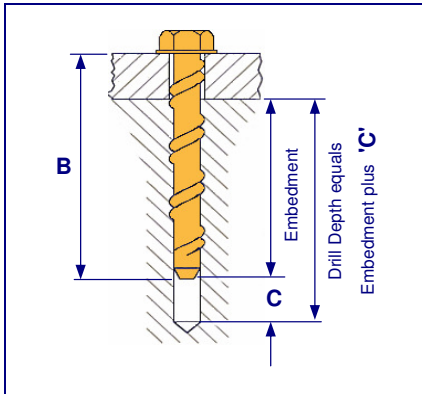


Excalibur Screwbolt Data

8mm

Screwbolt Fixing Details



Drill Bit Diameter

| | |
|--------------------------|--------|
| Concrete & Brick | 8.0mm |
| Soft Materials | 7.0mm |
| Clearance Drill Diameter | 10.0mm |

Screwbolt Head Styles & Dimensions

| | | | |
|----------------------------|------------|---|--|
| Flange Hexagon | HSB | 13mm A/Flats Hexagon Flange Diameter 16.5mm | |
| Hexagon Socket Dome | DSA | 18mm Head Diameter 6mm A/Flats Hex. Drive | |
| Hexagon Socket Countersunk | HSA | 21mm Head Diameter 6mm A/Flats Hex. Drive | |
| Hookbolt | HYB | 15mm Internal Diameter | |
| Eyebolt | EYB | 15mm Internal Diameter | |
| Studbolt | SSB | 5.5mm A/Flats Hexagon Drive M8 Metric Thread | |

Hexagon - Countersunk - Hook - Eye - Studbolt

| Type Number. | Head Style | Max. Fixing Thickness A (mm) | U/Head Length B (mm) | Clearance Depth C (mm) | Metric Thread M (mm) | Stud Length L (mm) | Box Quantity |
|--------------|--------------|------------------------------|----------------------|------------------------|----------------------|--------------------|--------------|
| HSB 08/050 | Hexagon Head | 14 | 50 | 16 | - | - | 100 |
| HSB 08/075 | Hexagon Head | 39 | 75 | 16 | - | - | 100 |
| HSB 08/100 | Hexagon Head | 50 | 100 | 16 | - | - | 100 |
| EYB 08/055 | Eye Bolt | - | 55 | 16 | - | - | 50 |
| HYB 08/055 | Hook Bolt | - | 55 | 16 | - | - | 50 |
| SSB 08/060 | Stud Bolt | - | 60 | 16 | 22 | 60 | 100 |

Tamperproof - Hexagon Drive Countersunk and Dome Heads

| | | | | | | | |
|------------|--|----|-----|----|---|---|-----|
| HSA 08/050 | Countersunk Head | 14 | 50 | 16 | - | - | 100 |
| HSA 08/075 | Countersunk Head | 39 | 75 | 16 | - | - | 100 |
| HSA 08/100 | Countersunk Head | 50 | 100 | 16 | - | - | 100 |
| DSA 08/050 | Dome Head | 14 | 50 | 16 | - | - | 100 |
| DSA 08/075 | Dome Head | 39 | 75 | 16 | - | - | 100 |
| PL/08 Plug | For converting HSA & DSA Screwbolts into TAMPERPROOF ANCHORS | | | | | | 100 |

HYB, EYB, SSB, CSB, DSA, HSA & HSB Ultimate & Safe Load Characteristics based on 3:1 ratio

| Material | Embedment Depth | Tensile Load kN. | | Shear Load kN. | | |
|------------------------|-----------------------|------------------|-------|----------------|-------|------|
| | | Ultimate | Safe | Ultimate | Safe | |
| Concrete | 60 N/mm ² | 40mm | 20.50 | 6.83 | - | - |
| | | 60mm | 28.50 | 9.50 | 25.50 | 8.50 |
| | 30 N/mm ² | 40mm | 14.60 | 4.87 | - | - |
| | | 60mm | 21.00 | 7.00 | 25.50 | 8.50 |
| Engineering Brick | 100 N/mm ² | 45mm | 17.20 | 5.73 | - | - |
| Semi-Engineering Brick | 70 N/mm ² | 45mm | 12.60 | 4.20 | - | - |
| Fletton | 20 N/mm ² | 45mm | 8.20 | 2.73 | - | - |
| Butterfly | 20 N/mm ² | 45mm | 3.50 | 1.17 | - | - |
| Hemelite | 3.5 N/mm ² | 75mm | 6.30 | 2.10 | - | - |
| Lignacite | 3.5 N/mm ² | 75mm | 5.00 | 1.67 | - | - |
| Topcrete | 7.0 N/mm ² | 75mm | 11.20 | 3.73 | - | - |

For Edges Distances see page 10