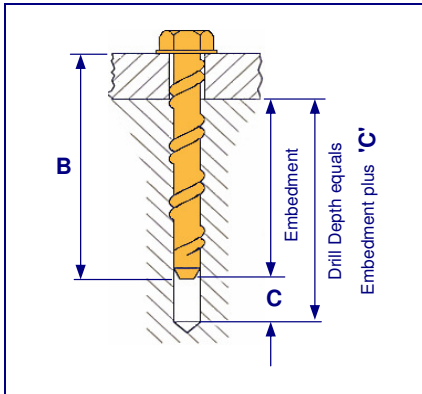


# Excalibur Screwbolt Data

## 6mm

### Screwbolt Fixing Details



### Drill Bit Diameter

Concrete & Brick	6.0mm
Soft Materials	5.5mm
Clearance Drill Diameter	7.5mm

### Screwbolt Head Styles & Dimensions

Flange Hexagon	<b>HSB</b>	10mm A/Flats Hexagon No.3 Pozidriv Recess Flange Diameter 13mm	
Pozidriv Recess Countersunk	<b>CSB</b>	12.5mm Head Diameter No.3 Pozidriv Recess	
Hexagon Socket Dome	<b>DSA</b>	14mm Head Diameter 5mm A/Flats Hex. Drive	
Hexagon Socket Countersunk	<b>HSA</b>	16mm Head Diameter 5mm A/Flats Hex. Drive	
Hookbolt	<b>HYB</b>	12mm Internal Diameter	
Eyebolt	<b>EYB</b>	12mm Internal Diameter	
Studbolt	<b>SSB</b>	4mm A/Flats Hexagon Drive M6 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 06/030	Hexagon Head	3	30	12	-	-	100
HSB 06/050	Hexagon Head	20	50	12	-	-	100
HSB 06/075	Hexagon Head	35	75	12	-	-	100
HSB 06/100	Hexagon Head	50	100	12	-	-	100
HSB 06/150	Hexagon Head	100	150	12	-	-	100
CSB 06/030	Countersunk Head	3	30	12	-	-	100
CSB 06/050	Countersunk Head	20	50	12	-	-	100
CSB 06/075	Countersunk Head	35	75	12	-	-	100
CSB 06/100	Countersunk Head	50	100	12	-	-	100
CSB 06/150	Countersunk Head	100	150	12	-	-	100
EYB 06/050	Eye Bolt	-	50	12	-	-	50
HYB 06/050	Hook Bolt	-	50	12	-	-	50
SSB 06/050	Stud Bolt	-	50	12	18	50	100

### Tamperproof - Hexagon Drive Countersunk and Dome Heads

HSA 06/050	Countersunk Head	20	50	12	-	-	100
HSA 06/075	Countersunk Head	35	75	12	-	-	100
DSA 06/050	Dome Head	20	50	12	-	-	100
DSA 06/075	Dome Head	35	75	12	-	-	100
PL/06 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 <sup>2</sup>	30mm	7.00	2.33	-
		45mm	13.00	4.33	14.50
	30 N/mm <sup>2</sup>	30mm	5.20	1.73	-
		45mm	11.50	3.83	14.50
Engineering Brick	100 N/mm <sup>2</sup>	45mm	14.30	4.77	-
Semi-Engineering Brick	70 N/mm <sup>2</sup>	45mm	11.20	3.73	-
Fletton	20 N/mm <sup>2</sup>	45mm	7.10	2.37	-
Butterfly	20 N/mm <sup>2</sup>	45mm	3.50	1.17	-
Hemelite	3.5 N/mm <sup>2</sup>	75mm	6.10	2.03	-
Lignacite	3.5 N/mm <sup>2</sup>	75mm	4.00	1.33	-
Topcrete	7.0 N/mm <sup>2</sup>	75mm	9.00	3.00	-

For Edges Distances see page 10