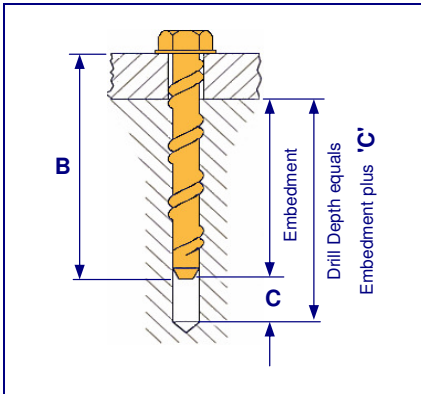


# Excalibur Screwbolt Data

## 10mm

### Screwbolt Fixing Details



### Drill Bit Diameter

Concrete & Brick	10.0mm
Soft Materials	9.0mm
Clearance Drill Diameter	12.0mm

### Screwbolt Head Styles & Dimensions

Flange Hexagon	<b>HSB</b>	17mm A/Flats Hexagon Flange Diameter 22mm	
Hexagon Socket Dome	<b>DSA</b>	21mm Head Diameter 8mm A/Flats Hex. Drive	
Hexagon Socket Countersunk	<b>HSA</b>	25mm Head Diameter 8mm A/Flats Hex. Drive	
Hookbolt	<b>HYB</b>	18mm Internal Diameter	
Eyebolt	<b>EYB</b>	18mm Internal Diameter Safe Load on Eye 11.55kN	
Studbolt	<b>SSB</b>	7mm A/Flats Hexagon Drive M10 Metric Thread	

### Hexagon - 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 10/060	Hexagon Head	15	60	20	-	-	50
HSB 10/075	Hexagon Head	30	75	20	-	-	50
HSB 10/100	Hexagon Head	50	100	20	-	-	50
HSB 10/120	Hexagon Head	70	120	20	-	-	50
HSB 10/150	Hexagon Head	100	120	20	-	-	50
EYB 10/065	Eye Bolt	-	65	20	-	-	25
HYB 10/065	Hook Bolt	-	65	20	-	-	25
SSB 10/075	Stud Bolt	-	75	20	26	75	50

### Tamperproof - Hexagon Drive Countersunk and Dome Heads

HSA 10/060	Countersunk Head	15	60	20	-	-	50
HSA 10/075	Countersunk Head	30	75	20	-	-	50
HSA 10/100	Countersunk Head	50	100	20	-	-	50
DSA 10/060	Dome Head	15	60	20	-	-	50
DSA 10/075	Dome Head	30	75	20	-	-	50
DSA 10/100	Dome Head	50	100	20	-	-	50
PL/10 Plug	For converting HSA & DSA Screwbolts into TAMPERPROOF ANCHORS						50

### 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>	50mm	29.00	9.67	-	-
		75mm	48.00	16.00	46.00	15.33
	30 N/mm <sup>2</sup>	50mm	18.80	6.27	-	-
		75mm	33.40	11.13	46.00	15.33
Engineering Brick	100 N/mm <sup>2</sup>	45mm	20.00	6.67	-	-
Semi-Engineering Brick	70 N/mm <sup>2</sup>	45mm	14.20	4.73	-	-
Fletton	20 N/mm <sup>2</sup>	45mm	11.60	3.87	-	-
Butterfly	20 N/mm <sup>2</sup>	45mm	3.90	1.30	-	-
Hemelite	3.5 N/mm <sup>2</sup>	75mm	10.60	3.53	-	-
Lignacite	3.5 N/mm <sup>2</sup>	75mm	9.00	3.00	-	-
Topcrete	7.0 N/mm <sup>2</sup>	75mm	14.00	4.67	-	-

For Edges Distances see page 10