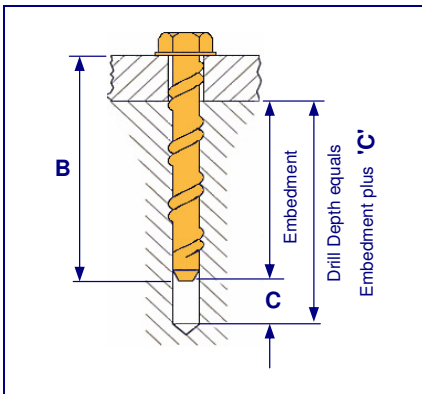


Excalibur Screwbolt Data

20mm

Screwbolt Fixing Details



Screwbolt Head Styles & Dimensions

Flange Hexagon	HSB	30mm A/Flats Hexagon Flange Diameter 40mm	
----------------	------------	--	--

Drill Bit Diameter

Concrete & Brick	20.0mm
Clearance Drill Diameter	23.0mm

Studbolt	SSB	14mm A/Flats Hexagon Drive M20 Metric Thread	
----------	------------	---	--

Hexagon Head - 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 20/100	Hexagon Head	28	100	40	-	-	20
HSB 20/150	Hexagon Head	58	150	40	-	-	20
HSB 20/200	Hexagon Head	108	200	40	-	-	20
SSB 20/100	Stud Bolt	-	100	40	46	100	10
SSB 20/200	Stud Bolt	-	130	40	46	130	10

HSB Ultimate & Safe Load Characteristics based on 3:1 ratio

Material	Embedment Depth	Tensile Load kN.		Shear Load kN.		For Edges Distances see page 10
		Ultimate	Safe	Ultimate	Safe	
Concrete	60 N/mm ²	126.83	42.28	164.84	54.95	
	25 N/mm ²	85.99	28.66	116.28	38.76	

HSB Ultimate & Safe Edge distance Load Characteristics based on 3:1 ratio

Material	Embedment Depth	Tensile Load kN.		Shear Load kN.		For Edges Distances see page 10
		Ultimate	Safe	Ultimate	Safe	
Concrete	35 N/mm ²	74.22	24.74	90.18	30.06	
	25 N/mm ²	64.83	21.61	50.41	16.80	