



Countersunk Sleeve Anchor A2

Specification



Product Information

An A2-304 Stainless Steel, thin walled, countersunk sleeve anchor. Suitable for use in non-cracked concrete, dense concrete blocks, solid bricks and some natural stone.

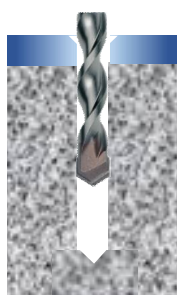
Features

Through Fixing
 Light to medium duty loads
 Torque controlled expansion
 Collapse feature to allow a positive clamping force
 Supplied pre-assembled for rapid installation

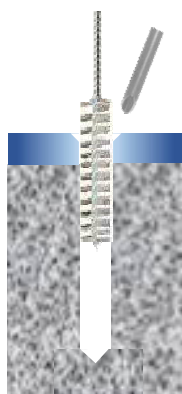
Range Data

Part Number	Drill Diam	Overall Anchor Length	Head Diam	Maximum Fixture Thickness	Fixture Clearance Hole	Minimum Hole Depth	Hex Socket Drive A/F	Minimum Structure Thickness	Installation Torque		
									Concrete	Brick	Block
mm	mm	mm	mm	mm	mm	mm	mm	mm	Nm	Nm	Nm
SLC08045SS	8	45	12	8	9	50	4	100	10	9	6
SLC08060SS	8	60		18		60					
SLC10060SS	10	60	16	9	12	60	5	100	20	18	10
SLC10080SS	10	80		19		80					
SLC12070SS	12	70	20	10	14	75	6	100	35	32	25
SLC12100SS	12	100		30		100					

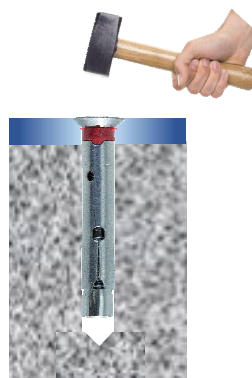
Installation Instructions



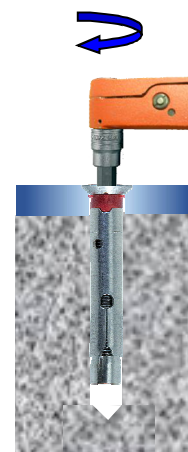
Position fixture and drill correct diameter hole to correct depth



Clean hole by brushing and blowing to remove all dust and drilling debris



Insert assembled anchor through fixture into concrete



Tighten to recommended torque



Non-Cracked concrete

Performance Data (C20/25 Concrete)										
Outside Diam	Embedment Depth	Characteristic Resistance		Design Resistance		Recommended Resistance		Design Spacing	Design Edge Distance	
mm	mm	kN		kN		kN		mm	mm	
		Tensile	Shear	Tensile	Shear	Tensile	Shear	Tensile & Shear	Tensile	Shear
8	38	7.5	7.0	4.1	4.4	2.9	3.1	90	45	55
8	43	9.1	7.0	5.0	4.4	3.5	3.1	105	55	55
10	53	9.5	12.8	5.2	8.2	3.7	5.8	120	60	95
10	63	13.1	12.8	7.2	8.2	5.1	5.8	155	80	95
12	63	12.7	17.0	7.0	11.9	5.0	8.5	145	75	125
12	73	21.8	20.3	12.1	11.9	8.6	8.5	165	85	145

Shear Loads towards a free edge are for single anchors where Spacing $\geq 3 \times$ Edge Distance

For variations in structure thickness, reduced spacing and edge calculations download the free [Anchor Calculation Program](http://www.jcpfixings.co.uk) from www.jcpfixings.co.uk

Influence of increased concrete strength - Not applicable with sleeve anchors

Solid Brickwork

Performance Data (20 N/mm ²)										
Outside Diam	Embedment Depth	Characteristic Resistance		Design Resistance		Recommended Resistance		Recommended Spacing	Recommended Edge Distance	
mm	mm	kN		kN		kN		mm	mm	
		Tensile	Shear	Tensile	Shear	Tensile	Shear	Tensile & Shear	Tensile	Shear
8	38	2.3	3.6	1.2	2.4	0.9	1.7	90	45	55
8	43	2.7	3.6	1.5	2.4	1.0	1.7	105	55	55
10	53	3.1	7.4	1.7	4.9	1.2	3.5	120	60	95
10	63	3.9	7.4	2.1	4.9	1.5	3.5	160	80	95
12	63	3.8	11.4	2.1	7.6	1.5	5.4	Only 1 fixing per brick is recommended		
12	73	6.5	11.4	3.6	7.6	2.5	5.4			

Solid Concrete Blocks

Performance Data (7 N/mm ²)										
Outside Diameter	Embedment Depth	Characteristic Resistance		Design Resistance		Recommended Resistance		Recommended Spacing	Recommended Edge Distance	
mm	mm	kN		kN		kN		mm	mm	
		Tensile	Shear	Tensile	Shear	Tensile	Shear	Tensile & Shear	Tensile	Shear
8	38	1.5	2.1	0.8	1.4	0.5	1.0	90	45	55
8	43	1.7	2.1	0.9	1.4	0.6	1.0	105	55	55
10	53	2.3	4.4	1.2	2.9	0.9	2.0	120	60	95
10	63	2.7	4.4	1.4	2.9	1.0	2.0	160	80	95
12	63	2.9	6.7	1.5	4.4	1.1	3.1	145	75	125
12	73	3.4	6.7	1.8	4.4	1.3	3.1	165	85	145

Due to the variable nature of bricks and concrete blocks these figures are for guidance only

JCP Construction Products, Unit 14 Teddington Business Park, Station Rd, Teddington, Middlesex TW11 9BQ

Tel:- 020 8943 1800

Web:- www.jcpfixings.co.uk