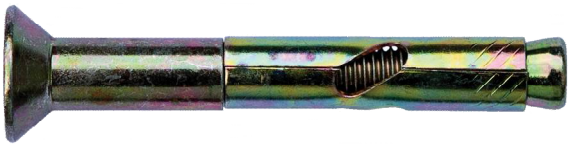
Countersunk Sleeve Anchor BZP

Specification



Product Information

A zinc plated and yellow passivated, thin walled sleeve anchor. Suitable for use in non-cracked concrete, dense concrete blocks, solid bricks and some natural stone.

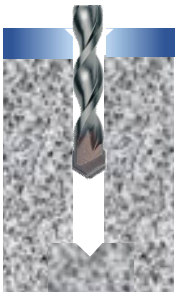
Features

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

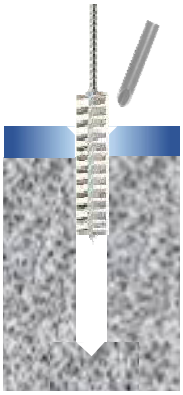
Range Data

Part Number	Drill Diam	Overall Anchor Length	Head Diam	Maximum Fixture Thickness	Fixture Clearance Hole	Embedment Depth	Minimum Hole Depth	Head Drive	Minimum Structure Thickness	Installation Torque
mm	mm	mm	mm	mm	mm		mm	Phillips	mm	Nm
SLC08060	8	65	12	30	10	35	40	N°3	100	10
SLC08085	8	88		53						
SLC10075	10	78	16	38	12	40	45	N°3	100	20
SLC10100	10	100		60						

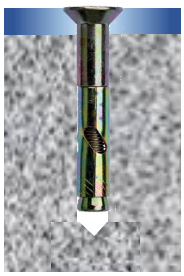
Installation Instructions



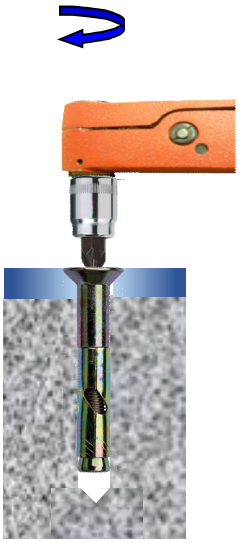
Position fixture and drill correct diameter hole to correct depth



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



Insert assembled anchor through fixture into concrete



Tighten to recommended torque

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Non-Cracked concrete

Performance Data (C20/25 Concrete)									
Outside Diam	Characteristic Resistance		Design Resistance		Recommended Resistance (γ_F=1.4)		Design Spacing	Design Edge Distance	
mm	kN		kN		kN		mm	mm	
	Tensile	Shear	Tensile	Shear	Tensile	Shear	Tensile & Shear	Tensile	Shear
8	6.0	4.0	3.6	3.1	2.5	2.2	55	45	40
10	10.2	8.3	5.6	5.5	4.0	3.9	100	70	60

Shear Loads towards a free edge are for single anchors where Spacing ≥ 3 x Edge Distance

Influence of concrete strength Not applicable with sleeve anchors

For variations in structure thickness, reduced spacing and edge calculations download the free Anchor Calculation Program from www.jcpfixings.co.uk

Solid Brickwork

Performance Data (20 N/mm²)										
Outside Diameter	Characteristic Resistance		Design Resistance		Recommended Resistance		Recommended Spacing	Recommended Edge Distance		Tightening Torque
mm	kN		kN		kN		mm	mm		Nm
	Tensile	Shear	Tensile	Shear	Tensile	Shear	Tensile & Shear	Tensile	Shear	
8	2.3	3.6	1.1	2.4	0.8	1.7	90	45	60	8
10	3.1	7.4	1.5	4.9	1.1	3.5	110	55	70	16

Solid Concrete Blocks

Performance Data (7 N/mm²)										
Outside Diameter	Characteristic Resistance		Design Resistance		Recommended Resistance		Recommended Spacing	Recommended Edge Distance		Tightening Torque
mm	kN		kN		kN		mm	mm		Nm
	Tensile	Shear	Tensile	Shear	Tensile	Shear	Tensile & Shear	Tensile	Shear	
8	1.5	2.1	0.7	1.4	0.5	1.0	90	45	60	6
10	2.3	4.4	1.1	2.9	0.8	2.0	110	55	70	12

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

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