STRIKE[™]

ALL METAL ANCHOR



Strike anchor until flush

•••

Pre-expanded bent section compresses against hole wall

 Carbon Steel
 316 (A4)

 Sarbon Steel
 Steel

 Mechanically
 B16 (A4)

 Stainless Steel
 Carbon Steel

 Mushroom Head
 Mushroom Head



 $\rm ICCONS^{\otimes}$ Strike^ $\rm m$ anchor is available in both Carbon Steel Class 10.9 and 316 (A4) Stainless Steel.

Suitable for solid base materials such as concrete, block (core filled), solid brick, or stone, this unique style anchor creates compressive forces against the wall of the hole as it is driven in, this is achieved by the proprietary pre-expanded bend at the working end. The anchor is set by striking with a hammer until flush with the fixture material.

The Mushroom Head & Countersunk **Strike**[™] are the choice for applications that require ease of installation, simple clean aesthetic look or even for tamper proof applications. The Tie wire **Strike[™]** is the ideal choice for suspension of electrical cabling catenary wire, suspended ceilings and signage.

GAL EXTERNAL	316 SS EXTERNAL	GAL EXTERNAL	ZINC INTERNAL		Z ø	★] -	★T -		T	#
Part No.	Part No.	Part No.	Part No.	Description	mm	mm	mm	mm	qty	qty
STMH05025G	STMH05025SS			5 x 25mm		З			100	1000
STMH05032G	STMH05032SS			5 x 32mm		10			100	1000
STMH05038G	STMH05038SS			5 x 38mm		6			100	1000
STMH05050G	STMH05050SS			5 x 50mm	5	19			100	1000
		STCS05065G		5 x 65mm			33		100	1000
		STCS05075G		5 x 75mm			43		100	1000
		STCS05100G		5 x 100mm			68		100	1000
			STTW05 Tie-Wire	5.0 mm				5.5	100	1000
STMH65025G				6.5 x 25mm		З			100	1000
STMH65038G	STMH65038SS	STCS65038G		6.5 x 38mm		6	6		100	1000
STMH65050G	STMH65050SS	STCS65050G		6.5 x 50mm		19	18		100	1000
STMH65063G				6.5 x 63mm	65	32			100	1000
		STCS65065G		6.5 x 65mm	0.5		33		100	1000
STMH65075G	STMH65075SS	STCS65075G		6.5 x 75mm		44	43		100	1000
STMH65100G		STCS65100G		6.5 x 100mm		68	68		100	600
			STTW65 Tie-Wire	6.5 mm				7	100	1000
STMH10075G				10 x 75mm		32			25	250
STMH10100G				10 x 100mm	10	57			25	250
STMH10125G				10 x 125mm		82			25	250

Information contained in this technical document is based on testing by the manufacturer and should be reviewed and approved by a design professional responsible for the given application. For safety critical fastening applications designed in accordance with AS 5216, please refer to the lccons website for a complete suite of compliant post-installed chemical and mechanical anchoring products.

PERFORMANCE | RECOMMENDED LOADS



RECOMMENDED LOADS IN CONCRETE

							Nrec			Vrec			N _{rec}			V _{rec}																
	→T ←	X [®]	Ĵ				ZINC & GAL TENSION			ZINC 8	ZINC & GAL SHEAR		316 STAINLESS STEEL TENSION		316 STAINLESS STEEL SHEAR		IS STEEL															
	Anchor Size (mm)	Drill Size (mm)	Hole Depth (mm)	Spacing (mm)	Edge Distance (mm)	25MPa (kN)	32MPa (kN)	40MPa (kN)	25MPa (kN)	32MPa (kN)	40MPa (kN)	25MPa (kN)	32MPa (kN)	40MPa (kN)	25MPa (kN)	32MPa (kN)	40MPa (kN)															
5.			22	50	50		1.0	1.1	1.1	1.6	1.7	1.7	0.9	1.1	1.1	1.5	1.6	1.6														
	5.0	5.0	25			50	50	50	50	50	50	50	50	50	50	50	60	60	60	60	1.1	1.2	1.2	2.2	2.3	2.3	1.1	1.3	1.3	2.1	2.2	2.3
			32			1.3	1.6	1.8	2.9	3.2	3.3	1.3	1.6	1.8	2.8	3.0	3.1															
			22			1.1	1.2	1.3	2.7	2.9	3.0	1.1	1.2	1.2	2.6	2.8	2.9															
	6.5	6.5	6.5 25 65 32	65	65	65	65	78	78	78	78	78	78	1.3	1.4	1.5	3.0	3.2	3.3	1.2	1.3	1.4	2.9	3.1	3.2							
																			1.6	2.1	2.2	3.3	3.7	4.0	1.6	1.9	2.1	3.2	3.4	3.6		
	10.0	10	45	100	120	3.4	3.9	4.4	8.3	8.9	9.1																					

Note: The above has been derived from laboratory test results using NATA calibrated equipment. Load capacities incorporate a safety factor of 3 for concrete and are representative of a single anchor remote from an edge.

Limit State Design - Multiply the above loads by 1.8 to determine the Limit State Design capacities.

RECOMMENDED LOADS IN SOLID BRICK

Solid Brick ≥ 10 MPa (Unconfined characteristic compressive strength)

						N _{rec}	V _{rec}	N _{rec}	V _{rec}								
	→T ←	8ª	Ĵ			ZINC & GAL TENSION	ZINC & GAL SHEAR	316 STAINLESS STEEL TENSION	316 STAINLESS STEEL SHEAR								
	Anchor Size (mm)	Drill Size (mm)	Hole Depth (mm)	Spacing (mm)	Edge Distance (mm)	Solid Brick ≥ 10MPa (KN)	Solid Brick ≥10MPa (kN)	Solid Brick ≥ 10MPa (KN)	Solid Brick ≥ 10MPa (KN)								
		5.0	22		60	0.5	0.9	0.9									
	5.0		25	50		0.5	1.0	0.5	1.0								
			32				0.6	1.1	0.6	1.1							
			22 6.5 25 65		0.5	1.0	0.5	1.0									
	6.5	6.5		65	65	65	78	78	78	78	78	78	78	0.6	1.2	0.6	1.2
			32			0.7	1.5	0.7	1.5								

Note: The above load capacities are for mushroom and countersunk head styles only and incorporate a safety factor of 4. Loads represent single anchors tested remote from an edge, opening or unrestrained brick wall. As masonry may vary greatly, the above data should be used as guidance only and site tests are recommended where site specific performance is required. Brick strength is based on unconfined characteristic compressive strength.

MATERIAL SPECIFICATIONS Zinc Plated (Clear) Mechanically Galvanised Stainless Steel Class 10.9 Class 10.9 316 (A4) Stainless steel Anchor body Electroplated Zinc Coating Galvanised Coating thickness Plating n/a thickness 5 microns (min.) 45 microns (min.)

PERFORMANCE | RECOMMENDED LOADS



INSTALLATION



With the correct diameter drill bit, drill a hole to the correct depth.



Clean dust and other material from the hole.



Tap in anchor until seated and flush with surface of fixture.



Installation complete!

Base Material Thickness

Base material thickness should be 1.5 x hembed. or a minimum of 75mm, always use the greater of the two values.



Combined Tension & Shear Loading

For combined tension and shear load applications the following equations shall be satisfied;

 $N_{applied} / N_{rec} \le 1$ V_{applied} / V_{rec} ≤ 1

 $(N_{applied} / N_{rec}) + (V_{applied} / V_{rec}) \le 1.2$

Where: Napplied

N_{rec}

V_{rec}

= Applied Tension Load

- Recommended Tension Load =
- Applied Shear Load Vapplied =
 - = Recommended Shear Load