



Phillips #2 Countersunk Head

Flanged Hex Head

5MM | 6.5MM

6.5MM

Hex Head
Carbon Steel
Ruspert Coated

Countersunk
Carbon Steel
Ruspert Coated



RUSPERT EXTERNAL USE

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Grabcon® is part of ICCONS® concrete and masonry screw family, coated in a ruspert protective coating and available in a flanged Hex Head or Phillips #2 Countersunk Head styles, these fasteners are ideal for light to medium duty applications when fastening into concrete, brick & block.



Part No.	Part No.	Description	mm	mm	mm	qty	qty
	GCCSK05032	5 x 32 Masonry Screw (3/16 x 1-1/4")	*5/32"	25	5	100	2500
	GCCSK05045	5 x 45 Masonry Screw (3/16 x 1-3/4")				100	2500
	GCCSK05058	5 x 58 Masonry Screw (3/16 x 2-1/4")				100	1600
	GCCSK05070	5 x 70 Masonry Screw (3/16 x 2-3/4")				100	1000
GCHX65032		6.5 x 32 Masonry Screw (1/4 x 1-1/4")	*3/16"	25	6.5	100	2500
GCHX65045	GCCSK65045	6.5 x 45 Masonry Screw (1/4 x 1-3/4")				100	1600
GCHX65058	GCCSK65058	6.5 x 58 Masonry Screw (1/4 x 2-1/4")				100	1000
GCHX65070	GCCSK65070	6.5 x 70 Masonry Screw (1/4 x 2-3/4")				100	1000
GCHX65083	GCCSK65083	6.5 x 83 Masonry Screw (1/4 x 3-1/4")				100	600
GCHX65100	GCCSK65100	6.5 x 100 Masonry Screw (1/4 x 4")				100	600

* Drill Bit included in each box.

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 SA TS 101:2015, please refer to the Iccons website for a complete suite of compliant post-installed chemical and mechanical anchoring products.



MATERIAL SPECIFICATIONS

GRABCON® Hex Head Masonry Screw



Anchor Size	6.5mm
Drill Size	3/16"
Fixture Clearance Hole	8mm
Socket Size	5/16"
Flanged Hex Head O.D.	10.6mm
Coating	ruspert protective coating (1000hrs SST)

GRABCON® Countersunk Masonry Screw



Anchor Size	5mm	6.5mm
Drill Size	5/32"	3/16"
Fixture Clearance Hole	6.5mm	8mm
Phillips Bit Size	2	3
Countersunk Head O.D.	10mm	13mm
Countersunk Head height	3.6mm	5mm
Coating	ruspert protective coating (1000hrs SST)	ruspert protective coating (1000hrs SST)

RECOMMENDED LOADS

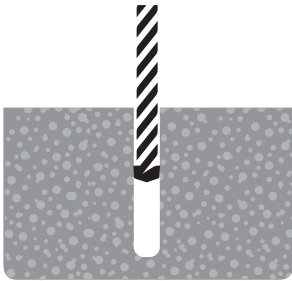
Anchor (d) Size (mm)	Drill Size (inches)	Anchor Depth (mm)	(N _{rec})			(V _{rec})		
			TENSION (kN)			SHEAR (kN)		
			Concrete Block 10MPa (kN)	Brickwork 15MPa (kN)	Concrete 32MPa (kN)	Concrete Block 10MPa (kN)	Brickwork 15MPa (kN)	Concrete 32MPa (kN)
5	5/32"	25	1.0	1.0	1.1	1.5	1.6	1.7
		32	1.2	1.8	1.6	1.7	1.8	1.9
		38	1.6	2.0	1.8	1.9	2.0	1.9
		45	2.0	2.2	2.3	2.1	2.2	2.0
6.5	3/16"	25	1.2	1.6	1.4	1.9	2.8	2.5
		32	1.4	1.9	2.4	2.1	3.0	3.3
		38	1.8	2.2	2.8	2.4	3.2	3.4
		45	2.1	2.3	3.6	2.8	3.5	3.6

Note: The above performance information incorporates a safety factor of 3. All loads relate to a single anchor remote from an edge. Spacing 12d (Min.) and Edge Distance 12d (Min.).

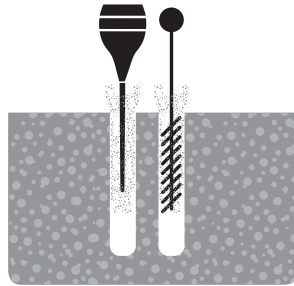
Limit State Design - Multiply the above loads by 1.8 to determine the Limit State Design capacities.



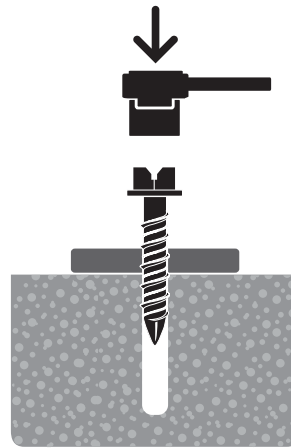
HEX HEAD INSTALLATION



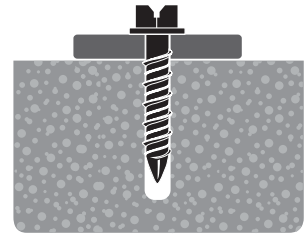
With the correct diameter drill bit, drill a hole to the depth of at least one diameter of the anchor deeper than required embedment.



Clean dust and other material from the hole.



Install with either a socket or cordless impact driver. Apply pressure against the fixing and rotate to engage the first thread.

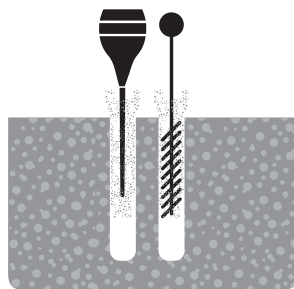


Continue to tighten the anchor until hex head is firmly seated against fixture. Installation complete!

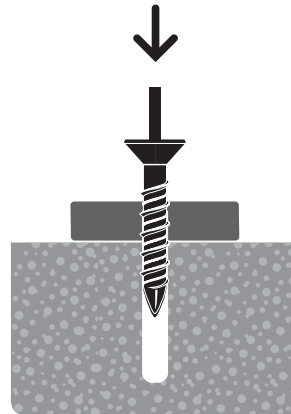
COUNTERSUNK HEAD INSTALLATION



With the correct diameter drill bit, drill a hole to the depth of at least one diameter of the anchor deeper than required embedment.



Clean dust and other material from the hole.



Install with either a socket hex driver or cordless impact driver. Apply pressure against the fixing and rotate to engage the first thread.



Continue to tighten the anchor until countersunk head is firmly seated against fixture. Installation complete!