

Grabcon Low Profile Tapered Head



ICCONS
Serious Connections

DOOR AND WINDOW SCREW

TDS | 1046.1



Galvanised

ICCONS® door and window screws are part of the ICCONS® concrete and masonry screw family. They are a hardened masonry screw with engineered thread for cutting into concrete, masonry, brick and blockwork.

Thread relief points allow for debris removal for a quick installation. The low profile head and torx 30 drive make this screw the perfect anchor for rapid door and window applications.



CONCA >>>



GRABCON® Low Profile Tapered Head



Grabcon low profile tapered head Screws provide a quick and efficient solution for anchoring in various base materials such as concrete, brick, stone, concrete block, and wood. The through fixing design serves as a versatile solution tailored for aluminium extrusions, metal fire doors, and aluminium windows. Featuring a distinctive countersunk head design and a torx drive recess, Grabcon low profile

FastDrive
1/4" Impact Power Bit T30





tapered head Screws ensure a reliable and secure installation. The Grabcon low profile tapered head Screw is adaptable allowing for use in both countersunk and other non-countersunk applications, making it a versatile and effective multi-purpose anchor screw for residential and commercial applications.

KEY FEATURES

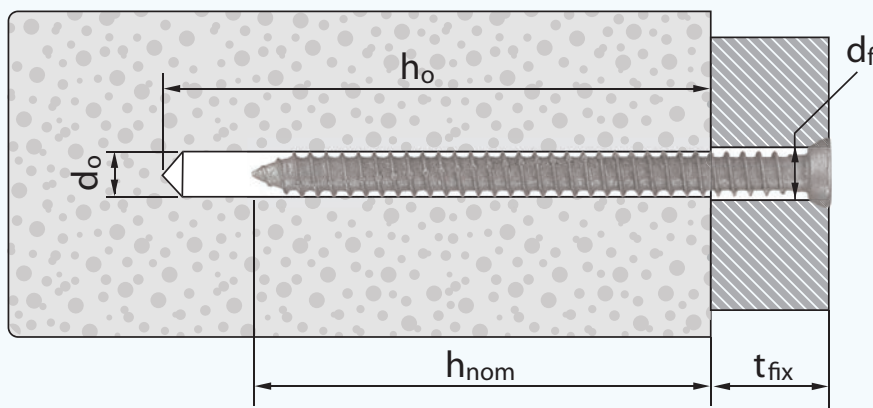
- Easy to install and easy to adjust or remove
- External use - Galvanised coating
- Low profile tapered head design
- Self-embedding tapered head design for soft timbers
- No expansion, suitable for close-to-edge fixing
- Thread relief grooves allow for debris removal and prevents jamming in the drilled hole
- Hardened masonry screw with engineered thread for cutting into concrete, masonry, brick and blockwork
- Mechanically galvanised Class 3 - 25 microns

APPLICATIONS

- Suitable for securing timber battens to masonry
- Effective for top-hat installation on masonry surfaces
- Ideal for subsill and frame installation
- Perfect for attaching metal brackets, plates, and hinges to masonry
- Excellent for door and window frame installation

Galvanised - External Use										
Part No.	Description	Drill Diameter (mm) d_o	Min. Anchor Embedment (mm) h_{nom}	Drill Depth (mm) h_o	Max. Fixture Thickness (mm) t_{fix}	Drive Type (Torx)	Fixture Clearance hole diameter (mm) d_f	Impact Power Bit Part No.	 qty	 qty
SKSZ06042G	6 x 42mm	6	30	40	12	T30	8	BT105T30	100	400
SKSZ06062G	6 x 62mm				32				100	400
SKSZ06072G	6 x 72mm				42				100	400
SKSZ06092G	6 x 92mm				62				50	200
SKSZ06112G	6 x 112mm				82				50	200


Range is not designed for safety critical applications in accordance with AS 5216.



- d_o : Nominal diameter of drill bit
- d_f : Fixture clearance hole diameter
- h_{nom} : Min. anchor embedment
- h_o : Depth of drilled hole
- t_{fix} : Fixture thickness



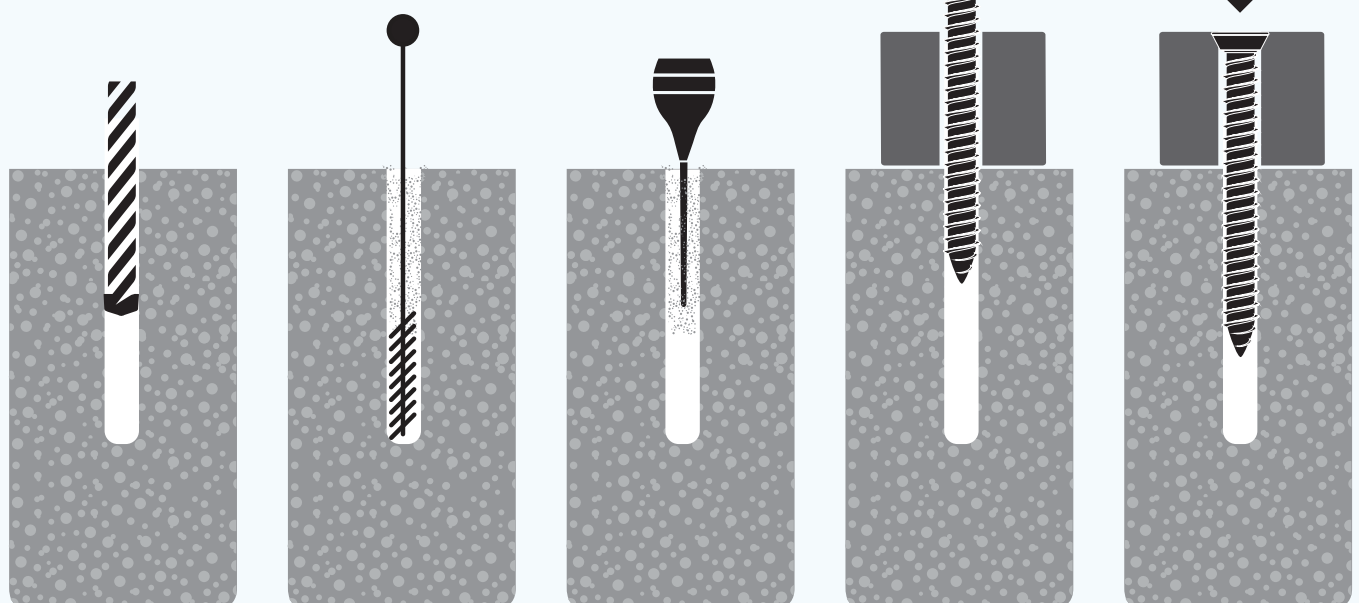


Applications	Typical Requirements	Suggested Products	Suggested sizes
 <p>Fixing window frames to concrete</p>	<p>Low profile head Easy to install Close to edge performance Corrosion resistant</p>	<p>Grabcon flat countersunk</p>	<p>Full range</p>

PERFORMANCE DATA

Grabcon Specification details									Recommended Loads 25MPa Concrete (min.)			
Product	Description (mm)	CSK Head Diameter (mm)	CSK Head Height (mm)	CSK Head Angle	Fixture Clearance Hole (mm)	Drill Diameter (mm)	Embedment Depth (mm)	Drill Depth (mm)	Tension (kN)	Shear (kN)	Spacing (kN)	Edge Distance (kN)
Door & Window Screw	6 x 42	11.5	3.7	45°	8	6	30	40	0.9	0.5	60	45
	6 x 62	11.5	3.7	45°	8	6	30	40	0.9	0.5	60	45
	6 x 72	11.5	3.7	45°	8	6	30	40	0.9	0.5	60	45
	6 x 92	11.5	3.7	45°	8	6	30	40	0.9	0.5	60	45
	6 x 112	11.5	3.7	45°	8	6	30	40	0.9	0.5	60	45

INSTALLATION



1. Drill a 6mm diameter hole into the concrete or masonry, cleaning it of dust and debris.
2. Drill depth should be 30mm plus an extra 10mm to ensure Grabcon doesn't bottom out during installation.
3. Insert the Torx 30 Driver tip into the Screwgun or impact driver.
4. Fixture will require an 8mm clearance hole to allow Grabcon to pass through without interference.
5. Place Grabcon through fixture into entry of drilled hole.
6. For soft timber applications tapered head design will self-embed into the timber.
7. Use low speed when installing the Grabcon until fixture is clamped securely.

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