

EXTREME WEATHER SCREW ASSEMBLY

CYCLONIX°

APPROVED AND REFERENCED IN THE NT DEEMED TO COMPLY MANUAL (DTCM)

ICCONS range of Cyclonix[®] Screw Assemblies have been specially engineered and proven suitable for Australia's most severe cyclonic regions. All screws have undergone extensive and fully independent testing by The University of Adelaide (ENGTEST) and shown to meet or exceed all current relevant Australian Standards for both strength and serviceability.

The ICCONS Cyclonix® Screw Assemblies have also been approved and are now listed in the NT Deemed to Comply Manual (DTCM). The DTCM is referenced in the NCC (National Construction Code) Volume 2, Part 3.10.1 as an acceptable construction manual for high wind areas. The DTCM contains products and systems that have been approved by the NT Building advisory Committee (BAC). Approved Deemed to Comply Sheets (drawings) can be used and/or accepted by architects, builders, building certifiers and engineers for design and comply with the structural requirements of the NT Building Act.

To obtain a copy of the ICCONS DTC sheets (drawings) please contact your local ICCONS representative or visit the NT Building Advisory Committee website

http://www.ntlis.nt.gov.au/deemedtocomply/

One piece washer assembly for both Corrugated and Square Rib Roofing Sheet Profiles





6 Star EPDM Sealing Washer and Pressure Plate design for optimum watertightness and security Independently Tested and conforming to all current relevant Australian Standards



NAUTILUS

qty

500

500

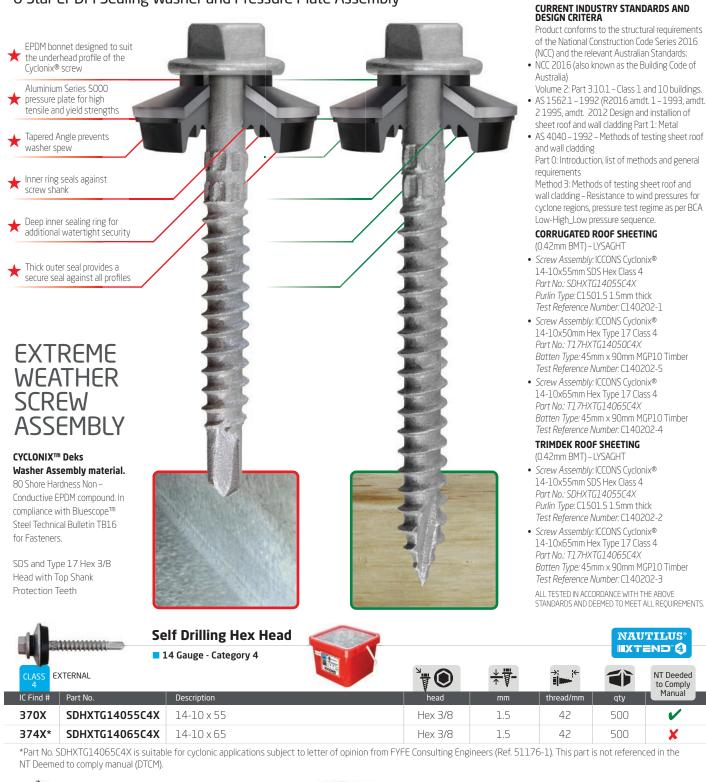
NT Deeded

to Comply Manual

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X

6 Star EPDM Sealing Washer and Pressure Plate Assembly



		ype 17 Hex Head 14 Gauge - Category 4					
CLASS 4 EXTERNAL				<u>→</u> 	→: (←		NT Deeded to Comply
IC Find #	Part No.	Description	head	mm	thread/mm	qty	Manual
670X	T17HXTG14050C4X	14-10 x 50	Hex 3/8	35	37	500	v
674X	T17HXTG14065C4X	14-10 x 65	Hex 3/8	35	52	500	v
524X*	T17HXTG14075C4X	14-10 x 75	Hex 3/8	35	52	400	×

*Part No. T17HXTG14075C4X is suitable for cyclonic applications subject to letter of opinion from FYFE Consulting Engineers (Ref. 51176-5). This part is not referenced in the NT Deemed to comply manual (DTCM).

CLÓNI

ICCONS®

ICCONS® Nautilus® Self - Drilling Screws

ICCONS® is proud to offer a range of high quality, corrosion resistant Self-Drilling Screws for the Australian marketplace. ICCONS® guarantees the Structural Integrity of the Nautilus® Self-Drilling Screws against the effects of corrosion or other metallurgical manufacturing defects. ICCONS® references International Standard ISO 9223:2012(E) as guidance for establishing the screw warranty periods and conditions within.

Atmospheric conditions, pollution levels, chemicals, humidity and wetness all have a large impact on the expected serviceable life of the screws. ISO9223:2012(E) provides guidelines to assist in determining the severity of the corrosive environment that the ICCONS® Nautilus® screws will be exposed to.

ICCONS® follows ISO 9223:2012 (E) Categories C2 to CX and will warrant the structural integrity of the screw and washer system for the period indicated in each category. It should be noted the ICCONS® Warranty covers the structural integrity and performance of the screw, and does not include the aesthetic appearance of the coating.

	C2 Low	C3 Medium	C4 High	C5 Very High	CX Extreme		
Exposure Type	Temperate Low Pollution Short Term Wet	Temperate Mild Pollution Low Industrial	Temperate Mild Pollution Low Marine Mild Industrial	Subtropical High Pollution Mild Marine Severe Industrial	Tropical Climate Extreme Pollution Severe Marine Extreme Industrial		
Location Guidance	20km from Ocean	3km from Ocean	1-3km from Ocean	150m from Ocean	Breaking Surf		
ICCONS® Screw Recommendation	IC4	IC4	IC4	IC4	Nautilus® XTEND™ 5		
Coating		Wa	rranty Period (ye	ars)			
	40	30	25	15	On Inspection		
NAUTILUS® IIXTEND®	30	20	15	10	On inspection		
NAUTILUS®	30	20	15	10	On Inspection		
NAUTILUS® 3 (IC)	25	15	7	NR	NR		
Nautilus (FRIULSIDER COATING)	15	7.5	NR	NR	NR		

Corrosivity Category - ISO 9223:2012(E) Annex C

NR = Not Recommended

Nautilus® XTEND™ 5 - Available on request.

Australian Standard AS/NZS 2312-2002 states that it is "very difficult if not impossible, to predict accurately the aggressiveness of a given environment and a certain amount of educated judgement is required to assess its Category, an inspection of the local environment, the building type and the condition of similar structures in the area is usually necessary.

Screw selection should always be suitable for both the application intended and be fully compatible for use with the other materials in the build. ICCONS® Nautilus® 4 screws are suitable for use with Bluescope® Zincalume®, ColorBond® and UltraSteel® cladding and roofing profiles.

The table above is meant as a guide only to aid in the selection of appropriate screw material / coating for the application and conditions of the intended use. Always check with recommendations from relevant roll formers for material compatibility, if unsure seek professional advice.

SCREW WARRANTY

ICCONS®

ICCONS® WARRANTY is subject to the following conditions and limitations:

- ICCONS[®] Screws not exposed to rain are required to be washed down every 6 months.
- For applications in coastal regions or where there may be heavy industrial pollutants (chemical plants, airports), ICCONS[®] screws should be washed down every 3 months.
- All ICCONS® roofing and cladding screws must be head marked IC4.
- ICCONS[®] screws must be installed correctly by use of a screw gun.
- Any warranty claim must be supported by full written details of the alleged defect, the date of
 installation, the application and build detail, location of the installation and proof of purchase.

ICCONS[®] Warranty does not apply and ICCONS[®] will not be made liable for (to the extent permitted by law) any defect or fault arising from the following conditions:

- Damage caused by exposure to chemical agents, fumes, soils, ashes, fertilisers, liquids and solids other than natural rain fall.
- Tempest, War or act of God.
- Over tightened incorrectly installed screws that fail due to stress fatigue.
- Incorrect screw selection for the application or the environment they are used in.
- Incorrect screw selection for the compatibility with other materials used in the build.

ICCONS® will warrant any screws that are deemed to be defective after inspection of the specific project and consideration of the above criteria.

To the extent permitted by law, ICCONS[®] will not be liable for any loss or damage caused (including consequential or special loss or damage) whether by negligence or otherwise which may be suffered or incurred by any person or which may arise directly or indirectly in respect of the supply or use of the products or otherwise under or in connection with the warranty.

Our Goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have any goods repaired or replaced if the goods fail to be acceptable quality and failure does not amount to a major failure.

Recommended Drill Speeds					
Screw Type	RPM				
Metal SDS	2500 rpm				
Metal SDS - 5 Series	1800 rpm				
Timber - Type 17	1500 rpm				
Needle Point - Steel	2500 rpm				
Needle Point - Timber	1000 rpm				
Chipboard	1000 rpm				

Example Part Number: 104W - SDHXC1016C4W

	104W - SDHXC1016C4W									
	104	W	SD	ΗX	С	10	16	C4	W	
	IC FIND	IC FIND SUFFIX	SCREW GROUP	DRIVE/HEAD STYLE	THREAD TYPE	GAUGE	LENGTH (MM)	COATING / MATERIAL	SUFFIX	
	100 - 499	W	SD SELF DRILLING	HX Hex Head	C Coarse	06		ZY Zinc Yellow		
	500 - 699			T17 TYPE 17	WA Wafer Head	F Fine	07		ZC Zinc Clear	
	700 - 899	X Cyclonix washer	NP Needle Point	BU Bugle Head	TG Top Grip	08	VARIOUS	ZG Zinc Grey		
	000 - 099	Wastier	СВ	FH Flathead	UNI Metal & Timber	10		C3 Class 3		
				CS Countersunk	5F #5 Series Fine	12		C4 Class 4		
				BH Button Head	WG Wing	14		SS Stainless Steel		
				PH Pan Head	SE Self Embedding					
				BB Bugle Baton						

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It is recommended that an appropriate screw gun with depth gauge and clutch setting be used.

CYCLÓN

While the 'IC find' number makes selection easier, the part number is still helpful because it contains information about the screw i.e. type, gauge, length, coating etc. While a part number may seem more complex it need not be, so ICCONS® have devised this table to help understand the "ICFIND" numbering system.