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### **ABOUT US**

For all your fastening system needs, look no further than Nessco Fasteners.

Established as part of the Nessco Trade Supplies group, Nessco Fasteners provides market-leading, tried and tested solutions to the construction industry.

We specialise in a range of high-quality steel-to-steel and steel-to-timber fasteners that have been specifically engineered with harsh Australian conditions in mind.

Located in Welshpool, Western Australia, our team of product specialists are available to provide consultation and support when it comes to specifying the best fastening solution for your project.



# BUILT FOR AUSTRALIAN CONDITIONS

Painted and coated in Australia, our Fasteners are built to AS3566 Standards and have been designed to go the distance.



# COMPLETE SYSTEM SOLUTION

A one-stop-shop for any steelto-steel or steel-to-timber applications - we can provide a full system for your project.



# ENGINEERED FOR THE INDUSTRY

We know the steel framing and metal roofing industries better than anyone. We trust our fasteners to do the job.













#### 1987

Nessco is established as a specialised nailing and stapling supply company

#### 1995

Refines a range of fasteners specifically catered to the carpentry & joinery industry

#### 1996

Introduces market-leading screws for the timber manufacturing industry

#### 2006

The Nessco Fasteners brand is born, bringing with it a more technical expertise

#### 2010

Enters the modular housing industry with a range of steel framing and metal roofing solutions

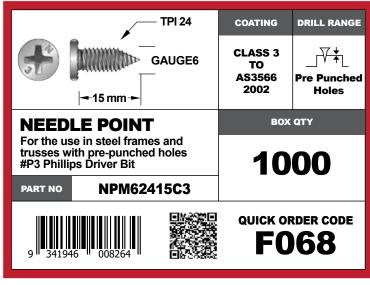
#### 2020

After a decade of research and refinement, launches a new range of steel framing and cladding fasteners coated in Australia.

### NPM62415C3

**NEEDLE POINT M6-24X15MM FRAMING SCREW - CLASS 3** 

GALVANISED IN AUSTRALIA





#### **APPLICATION**

Suitable for use in the assembly of:

- Steel Wall Frames
- Steel Roof Trusses
- Steel Floor Trusses
- This product requires pre-punched holes

Steel Base Material



#### **FEATURES AND BENEFITS**

- · Underhead serrations serration lock underhead will provide resistance to loosening
- . M6 thread high shear and torsional strength values
- Needle point A fast way to align screw with pre-punched holes
- P3 drive extra control with large driver bit ensures solid connection between steel



#### **INSTALLATION INSTRUCTIONS**

- Use a #3 Phillips Driver Bit
- · Use mains or cordless screw driver with a speed up to 2,500rpm
- Fit the #3 Phillips Driver Bit into the screw and place it in pre-punched hole fastening position
- Recommended punch hole size: 5mm
- Apply consistent firm pressure on the screw driver until the screw has fastened. DO NOT OVERTIGHTEN.
- Clamping Torque 3.04Nm into 2 x 075mm pieces of Truecore steel
- Strip Torque 8.32Nm into 2 x 0.75Nm pieces of Truecore steel

\*Appropriate screw gun / drill with torque control and depth gauge adjustment should be used.



#### **FASTENER PROPERTIES**

Material	Carbon Steel 1022	Torsion	21.08Nm	Pull Out	Values (Ste	el)			
<b>Heat Treatment</b>	To AS3566	Single Shear	Single	Single	11.5kN	0.75mm	2.06kN	1.15mm	3.54kN
Coating	Class 3 Galvanised	Snear		1mm	2.92kN	1.55mm	5.22kN		

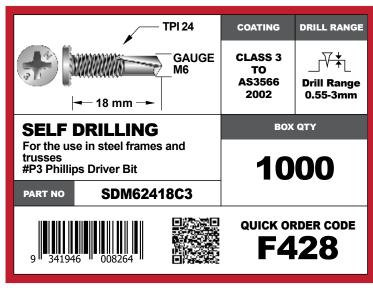
**ADAPTER TO USE** 

#3 Phillips Driver Bit

### SDM62418C3

SELF DRILLING M6-24X18MM FRAMING SCREW - CLASS 3

**GALVANISED IN** 





#### **APPLICATION**

Suitable for the use in the assembly of:

- **Steel Wall Frames**
- **Steel Roof Trusses**
- **Steel Floor Trusses**

**Steel Base Material** 



#### **FEATURES AND BENEFITS**

- · Underhead serrations serration lock underhead will provide resistance to loosening
- M6 thread high shear and torsional strength values
- SD Point Will drill without the requirements of pre-punched holes
- P3 drive extra control with large driver bit ensures solid connection between steel



#### **INSTALLATION INSTRUCTIONS**

- Use a #3 Phillips Driver Bit
- Use mains or cordless screw driver with a speed up to 2,500rpm
- Fit the #3 Phillips Driver Bit into the screw and place it in the fastening
- Apply consistent firm pressure on the screw driver until the screw has fastened. DO NOT OVERTIGHTEN.
- Strip Torque 7.44 Nm into 2 x 0.75mm pieces of Truecore steel

stAppropriate screw gun / drill with torque control and depth gauge adjustment should be used.



#### **FASTENER PROPERTIES**

**Material** Carbon Steel 1022 **Torsion** 21.57Nm **Pull Out Values (Truecore)** 0.75mm 1.714kN **Heat Treatment** To AS3566 **Single** 9.86kN **Shear** Coating Class 3 Galvanised

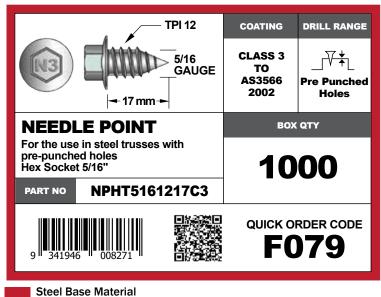
**ADAPTER TO USE** 

#3 Phillips Driver Bit

### NPHT5161217C3

NEEDLE POINT HEX TRUSS 5/16-12X17MM SCREW - CLASS 3

GALVANISED IN AUSTRALIA





#### **APPLICATION**

Suitable for use in the assembly of:

- Steel Roof Trusses
- Steel Floor Trusses
- This product requires pre-punched holes

Steel base Mater



#### **FEATURES AND BENEFITS**

- 5/16 hex drive easy to drive in the screw, and the most common head size used for general steel-tosteel applications
- Heavy 5/16 gauge ensures high shear strength
- Needle point a fast way to align screw with pre-punched holes



#### **INSTALLATION INSTRUCTIONS**

- Use a 5/16 hex socket bit
- Use mains, air or cordless screw driver with a speed up to 1,500rpm
- Fit the socket bit around the screw head and align needle point with prepunched holes
- Recommended punch hole size: 6.5mm
- Apply consistent firm pressure on the screw driver until the screw has fastened. DO NOT OVERTIGHTEN.
- Clamping Torque 3.2Nm into 2 x 075mm pieces of Truecore steel
- Strip Torque 29.72Nm into 2 x 0.75Nm pieces of Truecore steel

\*Appropriate screw gun / drill with torque control and depth gauge adjustment should be used.



#### **FASTENER PROPERTIES**

Material	Carbon Steel 1022	Torsion	57.86Nm	Pull Out	Values (Ste	el)		
<b>Heat Treatment</b>	To AS3566	Single Shear	Single	14.16kN	0.75mm	2.54kN	1.15mm	4.5kN
Coating	Class 3 Galvanised		14.10KN	1mm	3.88kN	1.55mm	7.38kN	

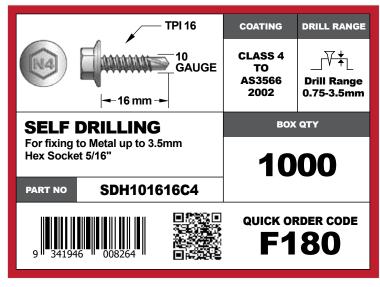
**ADAPTER TO USE** 

Hex Socket 5/16"

### SDH101616C4

SELF DRILLING HEX 10-16X16MM SCREW - CLASS 4

**GALVANISED IN** 





#### Suitable for use in:

- Steel-to-Steel Framing
- **Wall Cladding to Steel Purlins**
- Metal-to-Metal applications such as signs and fencing.

Steel Base Material



#### **FEATURES AND BENEFITS**

- 5/16 hex drive easy to drive in the screw, and the most common head size used for general steel-tosteel applications
- · SD drill point can drill fast and efficiently into 3.5mm of steel with no need for a pre-drilled hole
- Coating Class 4 Galvanised coating



#### **INSTALLATION INSTRUCTIONS**

- Use a 5/16 hex socket bit
- Use mains, air or cordless screw driver with a speed of up to 3,000rpm
- Fit the socket bit around the screw head and place screws in the fastening position
- Apply consistent firm pressure on the screw driver until the screw has fastened. DO NOT OVERTIGHTEN.

**ADAPTER TO USE** Hex Socket 5/16"



<sup>\*</sup>Appropriate screw gun / drill with torque control and depth gauge adjustment should be used.

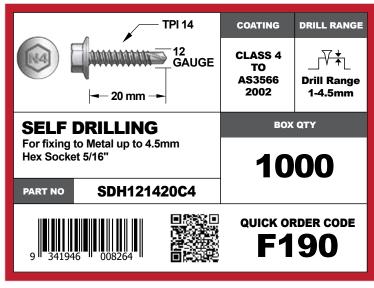


Material	Carbon Steel 1022	Torsion	9.9Nm	Pull Out	Values (G450 Grade Steel)	
<b>Heat Treatment</b>	To AS3566	Single Shear	Single	6.7kN	1.5mm	3.614kN
Coating	Class 4 Galvanised	Shear	0171111			

### SDH121420C4

SELF DRILLING HEX 12-14X20MM SCREW - CLASS 4

GALVANISED IN AUSTRALIA





#### **APPLICATION**

Suitable for use in:

- Steel Wall Framing
- Steel Trusses
- Cladding and general fixing of metal-tometal.

Steel Base Material



#### **FEATURES AND BENEFITS**

- 5/16 hex drive easy to drive in the screw, and the most common head size for steel to steel applications
- SD drill point can drill fast and efficiently into up to 4.5mm of steel with no need for a pre-drilled hole
- Coating Class 4 Galvanised coating



#### **INSTALLATION INSTRUCTIONS**

- Use a 5/16 Hex Socket Bit
- Use mains, air or cordless screw driver with a speed of up to 2,500rpm
- Fit the socket bit around the screw head and place the screws in the fastening position
- Apply consistent firm pressure on the screw driver until the screw has fastened. DO NOT OVERTIGHTEN.

ADAPTER TO USE
Hex Socket 5/16"



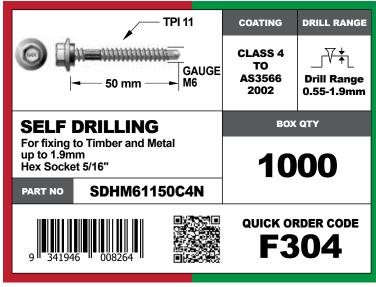
<sup>\*</sup>Appropriate screw gun / drill with torque control and depth gauge adjustment should be used.



Material	Carbon Steel 1022	Torsion	14.02Nm	Pull Out Values (G450 Grade Steel)
<b>Heat Treatment</b>	To AS3566	Single	9.67kN	<b>1.5mm</b> 4.42kN
Coating	Class 4 Galvanised	Shear	0.0711	

# **SDHM61150C4N**

SELF DRILLING HEX M6-11X50MM ROOFING SCREW - CLASS 4





#### Suitable for use in:

- Crest fixing roof sheets to either light gauge steel top hats or timber battens.
- Can also be used in steel purlins up to 1.9mm in thickness
- Class 4 Fasteners are suitable in Category 3 and 4 environments as described in ISO 9223-2012.
- Class 5 available on request.

Steel and Timber Base Material



#### **FEATURES AND BENEFITS**

- 5/16 hex drive easy to drive in the screw, and the most common head size used for Roofing and Cladding applications
- Zip fast drill point allows for the screws to be driven effectively into light-gauge steel materials up to 1.9mm and timber battens, whilst maintaining a high pull-out resistance Water tight seal All Colorbond colours available.
- · Coated and painted in Australia to meet AS3566 requirements.



#### **INSTALLATION INSTRUCTIONS**

- Use a 5/16 Hex Socket Bit
- · Use a mains or cordless screw driver with a speed of up to 2,500rpm (These are guides - installer tooling and base materials should be assessed)
- · Fit the socket bit around the screw head and place the screws in the fastening position
- Apply consistent firm pressure on the screw driver until the screw has fastened. DO NOT OVERTIGHTEN.
  - \*Appropriate screw gun / drill with torque control and depth gauge adjustment should be used.

### **ADAPTER TO USE** Hex Socket 5/16"

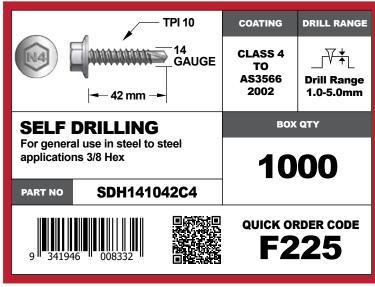


Material	Carbon Steel 1022	Pull Out Values (Steel)	1.46kN	G450 1.5mm Steel	5.57kN
<b>Heat Treatment</b>	To AS3566	0.55 Top Hat Steel Batten	2.40KiV	<u> </u>	
Coating	Class 4 Galvanised				
Torsion	15.81Nm	Pull Out Values (Timber) 70 x 45 Radiata Pine @ 30mm Embed	3.12kN	70 x 35 H2 MGP10	6.33kN
Single Shear	9.96kN	70 x 45 Radiata Pine @ 30mm Embed		Timber @ 30mm Embed	

### SDH141042C4

SELF DRILLING HEX 14-10X42MM SCREWS CLASS 4

GALVANISED IN AUSTRALIA





Screws can be used in general Metal to Metal applications.

Steel Base Material



#### **FEATURES AND BENEFITS**

- 3/8 Hex Drive Easy to drive in the screw
- SD drill point Can drill fast and efficiently with no need for a pre drilled hole into up to 5mm of steel
- Coating Class 4 Galvanised coating

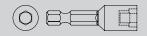


#### **INSTALLATION INSTRUCTIONS**

- Use a 3/8 Hex Socket Bit
- Use mains, Air or Cordless Screw Driver with a speed of up to 3,000rpm
- Fit the 3/8 Hex Socket Bit around the screw head and place screws in the fastening position
- Apply consistent firm pressure on the screw until the screw is fastened.
   DO NOT OVERTIGHTEN.

#### **ADAPTER TO USE**

Hex Socket 3/8"

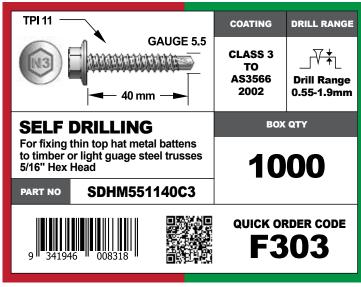




Material	Carbon Steel 1022	Torsion	20.49Nm	Pull Out	Values (G450 Grade Steel)		
<b>Heat Treatment</b>	To AS3566	Single			10.24kN	1.6mm	3.88kN
Coating	Class 4 Galvanised	Shear	2012 11117				

### **SDHM551140C3**

SELF DRILLING HEX M5.5-11X40MM BATTEN ZIP





For fixing thin top hat metal battens to timber or light gauge steel trusses

Steel and Timber Base Material



#### **FEATURES AND BENEFITS**

- 5/16 hex drive Easy to drive in the screw and the most common Head Size used for general Steel to Steel applications
- SD Zip Fast Drill Point Screws can be driven effectively into light gauge steel materials up to 1.9mm
- · Coated Class 3 in Australia to meet AS3566 requirements



#### **INSTALLATION INSTRUCTIONS**

- Use a 5/16 Hex Socket Bit
- Use a mains or cordless screw driver with a speed of up to 2,500rpm (These are guides - installer tooling and base materials should be assessed)
- Fit the 5/16 Hex Socket Bit around the screw head and place screws in the fastening position
- Apply consistent firm pressure on the screw until the screw is fastened. DO

**ADAPTER TO USE** Hex Socket 5/16"



\*Appropriate screw gun / drill with torque control and depth gauge adjustment should be used.



Material	Carbon Steel 1022	Pull Out Values (Steel)	4.000.0	G450 1.5mm Steel	4.54kN
<b>Heat Treatment</b>	To AS3566	0.55 Top Hat Steel Batten	1.26kN	0450 1.5mm Steel	
Coating	Class 3 Galvanised				
Torsion	13.71Nm	Pull Out Values (Timber)	3.30kN	70 x 35 H2 MGP10	5.19kN
Single Shear	5.34kN	70 x 45 Radiata Pine @ 30mm Embed		Timber @ 30mm Embed	5.2511

# **CORROSION WARRANTY CHART**

ENVIRONMENTAL CONDITIONS	CLASS 3	CLASS 4	CLASS 5
VERY SEVERE MARINE (ISO 9223 CATEGORY 5) Up to 400m from the ocean, but outside the ocean spray zone.	NOT RECOMMENDED	NOT RECOMMENDED	10 YEARS
SEVERE MARINE (ISO 9223 CATEGORY 4) Between 400m and 1km from the ocean or within 150m from a salt water inlet or creek.	NOT RECOMMENDED	12 YEARS	25 YEARS
MILD & MODERATE MARINE (ISO 9223 CATEGORY 3) Between 1km and 50km from the ocean, or from 150m to 1km from a salt water inlet or creek.	7 YEARS	20 YEARS	30 YEARS
SEVERE INDUSTRIAL (ISO 9223 CATEGORY 4) Within 2km of an industrial plant, sewerage treatment or airport.	NOT RECOMMENDED	15 YEARS	25 YEARS
INDUSTRIAL (ISO 9223 CATEGORY 3) Between 2km and 10km from an industrial plant, sewerage treatment or airport.	15 YEARS	25 YEARS	35 YEARS
LIGHT INDUSTRIAL URBAN (ISO 9223 CATEGORY 2) All other regions not defined above.	20 YEARS	30 YEARS	40 YEARS

Determination of the environmental conditions and category is complex and influenced by a wide range of environmental factors. In some instances, corrosion zones can extend out further to what is stated above. The above table is an indication of the warranty period based on the corrosivity of your locations and is to be used as a guide only.

### **PRODUCT WARRANTY**

Ness Air (WA) Pty Ltd ATF The Glenkeith Family Trust & Bemojo Pty Ltd ATF The McNess Family Trust T/A Nessco Trade Supplies ABN 63 004 235 063 ('Nessco') warrants its Class 3, Class 4 and Class 5 fasteners with sealing washers ("the Fasteners") against the loss of structural integrity due to the effects of corrosion or metallurgical defects, on the terms of this warranty ("the Warranty").

Under this Warranty, Nessco undertakes to replace any defective screws and supply equivalent screws at no cost, provided

- Fasteners have been installed in accordance with Nessco Fasteners product recommendations and instructions including using the correct tools along with any applicable standards and building codes.
- · Screws must be used with compatible roofing/cladding and substrate materials based on cladding, steel or timber manufacturers recommendations.
- · Fasteners on all walls, fascia, cladding under eaves and other sheltered areas that are not exposed to general rain are washed with fresh water every six months as a minimum, or every three months in areas that are considered coastal, or where there is heavy industrial pollutants (chemical plants, airports etc).
- The screws that have been recommended by the cladding, steel or timber manufacturer are maintained as recommended by the cladding, steel or timber manufacturer.
- · The Fasteners have not at any time come into contact or been coated with an incompatible material including any post paint treatments or systems.

#### 1.The warranty DOES NOT cover:

- The threaded or shank areas of the screw. It only covers the head.
- The aesthetic performance of the coatings, including paint blistering.
- Chemical or moisture attack from within the building or the build-up of unwashed corrosive salts or moisture under the cladding material.
- Extreme pollution by chloride typical of marine splash and spray zones.
- · Contact with soil, ash, fertilizer, moisture retaining substances, lead, copper or other metals or chemical agents.
- Over tightened screws failing due to stress fatigue.
- · Incorrect screw selection for either application or surrounding environment. Always seek manufacturers or builders advice prior to installation.
- Salt water carried and deposited by cyclonic winds.
- Accidental or intentional physical damage to the coating.
- Abnormal or unusual external forces including but not limited to any extreme weather conditions.

2. Determination of the environmental conditions and categories is based on the standards set in ISO 9223. Determination of these conditions is very complex and influenced by a range of environmental factors. Therefore, the determination of the ISO 9223 category applicable to the environment in which Nessco Fasteners are to be used and the length of the Nessco Fasteners Warranty must be done in consultation with Nessco Fasteners. The decision of Nessco Fasteners acting reasonably will be final in respect of the appropriate ISO 9223 category.

### **PRODUCT WARRANTY**

- 3. The warranty is non-transferable from the original owner of the structure on which the fasteners are used.
- 4. If Nessco determines that a warranty claim has been made correctly and in accordance with these terms, it will provide the equivalent or same Fasteners sufficient to replace the defective Fasteners.
- 5. The liability of Nessco to you does not include or extend to direct, indirect, consequential, or incidental damage including, without limitation, to any of the following:
  - · Labour costs associated with the removal or repair of defective Fasteners or installation of replacement Fastener; and
  - Damage to property, injury to persons, loss of any income or any other indirect loss that is caused by or has arisen in any way by the defective Fasteners.
- 6. This warranty does not cover you for any loss or damage, wholly or partly due to an event beyond the reasonable control of Nessco including, without limitation, acts of God.
- 7. In order to make a claim under this warranty, you must:
  - Notify Nessco in writing of the claim by email to: info@nessco.com.au not later than 30 days after the end of the warranty period stated in the Corrosion Warranty Chart in the Nessco Fasteners Catalogue;
  - Provide Nessco with the following:
  - a. Invoice/proof of purchase of the Fasteners in respect of which the claim is made;
  - b. Installer's name, phone number, date of installation and site address
  - c. Details of the fasten er, colour and quantity used on the original installation
  - d. Photos from the site showing:
  - ☐ the building and roof/cladding containing the Fasteners;
  - ☐ in close up detail, the corrosion or defect detail of the Fasteners as installed in the roof or cladding;
  - e. Details of the roof structure including cladding and batten material;
  - f. Proof of wash down for situations where cladding is not a roof or is sheltered from washing by rain;
  - g. Five samples of the corroded fasteners; and
  - h. Access for a Nessco representative to inspect at a mutually agreed time as this is required before any action can be taken.
  - All expenses that may be involved in any Warranty claim must be borne by the claimant. These costs will not be recompensable by Nessco.
- 8. This Warranty is in addition to and is not intended to replace nor exclude, your statutory rights under Australian Consumer Law. All our goods come with guarantees that cannot be excluded under Australian Consumer Law. You are entitled to a replacement or refund for any major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

For any queries, please contact us directly on telephone: (08) 9333 4999



## **NESSCO FASTENERS WEBSITE**

# For up to date information on our Steel Framing and Roofing screws, visit

### www.nesscofasteners.com.au













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