



Work Order - WO0450102
Product Design Assessment (PDA)
Metal Anti-Slip Clip – Model TSU25
PDA No. 25-0450102-PDA

Attention: TES GLOBAL INC DBA TITAN SAFETY (WCN: 499459)

The documents shown in the attached list are reviewed in accordance with the applicable requirements indicated in the PDA along with the service restrictions and comments.

We recommend that you monitor the ABS Rules, Guides and other standards used in the Assessment. These Rules, Guides and standards often change on an annual basis, and you must comply with the new Rules, Guides and standards in order for the product to be used on an ABS classed vessel or facility contracted under the new Rules, Guides or specifications.

Additionally, we acknowledge the PDA request form warranting that the materials used in the product(s) are free from asbestos.

For any clarifications, contact Ziyan Zhang at ZiZhang@eagle.org.

Very truly yours,

Leile Froufe
Vice President of Engineering

Electronically Signed by: Mohamed Boukamcha

Documents List

Drawing No.	Rev. No.	Title	Status
-	-	Titan Safety - Anti Slip Clips - Spec Sheet	Filed by ABS for Reference Only

Electronic copies of the documents, appropriately stamped, are available in the ABS MyFreedom™ Client Portal.

Include: PDA Certificate

All Documents approved by 24-0867986-PDA are listed in the attachment to the PDA certificate.



CERTIFICATE NUMBER	25-0450102-PDA
EFFECTIVE DATE	08-Jan-2026
EXPIRY DATE	07-Jan-2031
ABS TECHNICAL OFFICE	Houston ESD

CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

TES GLOBAL INC DBA TITAN SAFETY

located at

1005 N COMMONS DRIVE, , AURORA, IL, United States, 60504

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: Cable Clips, Ties, Heads & Metal Banding
Model: TSU25
Endorsements:
Tier: 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 07/Jan/2031 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping

Mohamed C Boukamcha

Mohamed C Boukamcha,Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

TES GLOBAL INC DBA TITAN SAFETY

1005 N COMMONS DRIVE

AURORA IL

United States 60504

Telephone: 440-941-1410

Fax:

Email: admin@titansafety.net

Web: www.titansafety.net

Tier: 2 - PDA Issued

Product: Cable Clips, Ties, Heads & Metal Banding

Model: TSU25

Endorsements:

Intended Service:

Marine and Offshore Applications - The clips can be used to provide provide a slip-resistant surface on fixed platforms and walkways, stairways and fixed ladders on Ships Top Side, & Engine Rooms, Offshore Platforms, Drilling Rigs, Military Ships, Oil & Gas Refineries, Chemical Plants, Cement and Steel Mills, Grain Silos, Mines, Quarries, Food & Beverage Production Facilities, Breweries, Distilleries, Terminals, Airports, Ports, Paper & Lumber Mills and Glass & General Manufacturing. Also see the Service Restriction below.

Description:

Galvanized Steel Metal Anti-Slip Clip, powder coated in safety yellow paint for open grid metal grating.

Rating:

N/A

Service Restriction:

1. Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
2. Situations need to be considered where special provision is made in appropriate building or other regulations, e.g. means of escape from fire.
3. Where the clip on grating is used, it shall be subject to acceptance by the authority having jurisdiction.

Comments:

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes/Drawing/Documentation:

Product Specification, Rev. -, Titan Safety - Anti Slip Clips

Terms of Validity:

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STANDARDS

ABS Rules:

Rules for Conditions of Classification, 2025 Marine Vessels Rules 1A-1-4/7.7, 1A-1-A3, 1A-1-A4,
Rules for Conditions of Classification - Offshore Units, 2025 Offshore Units Rules 1B-1-4/9.7, 1B-1-A2, 1B-1-A3.

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Tier: 2 - PDA Issued

National:

Australian Standard AS 1657:2018 Fixed platforms, walkways, stairways and ladders - Design, construction and installation

International:

NA

Government:

NA

EUMED:

NA

OTHERS:

NA