

ENGINEERING & CONSTRUCTION DEPARTMENT  
693A Spanish Town Road, Kingston 11  
Tel 937-9320-5, Fax 937-9259  
T & D MATERIAL SPECIFICATION

JPS Specification #: PSB-48-2013

Date: January 3, 2013

Item Stock: 42676

Supersedes:

Description: Band, 48" Pole strap band (steel)

Application: For use in banding brackets and other hardware to concrete poles

SPECIFICATION

This specification covers the 1 1/4" X 48" Pole strap (band) for mounting an assortment of equipment to concrete poles.

The pole strap (band) shall be capable of mounting hardware to poles with diameter of 12" and below. The pole strap (band) shall be supplied with two retainer extrusions and a carriage bolt for tightening the assembly. Pole strap (band) shall be fabricated from high strength stainless steel. The retainer extrusions shall be fabricated from high strength aluminum alloy.

The pole strap (band) assembly shall have dimensions and minimum strength stipulated below.

**Stainless Steel Band** shall be type 201 annealed stainless steel with minimum tensile strength of 100,000 PSI and minimum yield strength of 45,000 PSI. The dimension of the band shall be 48" X 0.040" X 1 1/4", as illustrated on attached drawing PSB2004-1.

**Aluminum Extrusions** shall be 6061-T6 ASTM B221 aluminum alloy with minimum tensile strength of 38,000 PSI and minimum yield strength of 35,000 PSI.

**Carriage Bolt** shall be high strength grade 5 (ASTM A449), and hot dipped galvanized as per ASTM A153 standard. The dimension of the bolt shall be 5/8" X 8" as per attached drawing PSB2004-1. Nut and washer shall also be galvanized as per ASTM A153.

In addition to be ASTM A153 galvanized the carriage bolt, washer and nut shall be coated with a suitable protective coating conforming to or exceeding the latest edition of ASTM F1428. The average thickness of the applied coating shall be as per ASTM F1428 Table 1.

**Tests**

The Pole Strap (band) and the accompanying accessories shall be subjected to tests and stipulated results as per ASTM B221, ASTM A449, ASTM A153, ASTM F1428. Certified test reports shall be made available to the purchaser upon request.

**Drawings**

Manufacturer's drawing shall be furnished at the time of tendering, and shall indicate the outline of the pole strap (band), together with all pertinent mechanical characteristics, and dimensions as specified herein.

All suppliers shall complete the attached form (F243) which shall form part of the evaluation process.

Prepared By: Craig Francis, 2004 May 10

Reviewed By:

*S. Whilby Jan-3-2013*

Shevon Whilby  
Engineer

Engineering & Construction Department

Approved By:

*O. Wickham Jan/03/2013*

Osawaki Wickham  
Manager

Engineering & Construction Department

**ENGINEERING & CONSTRUCTION DEPARTMENT**

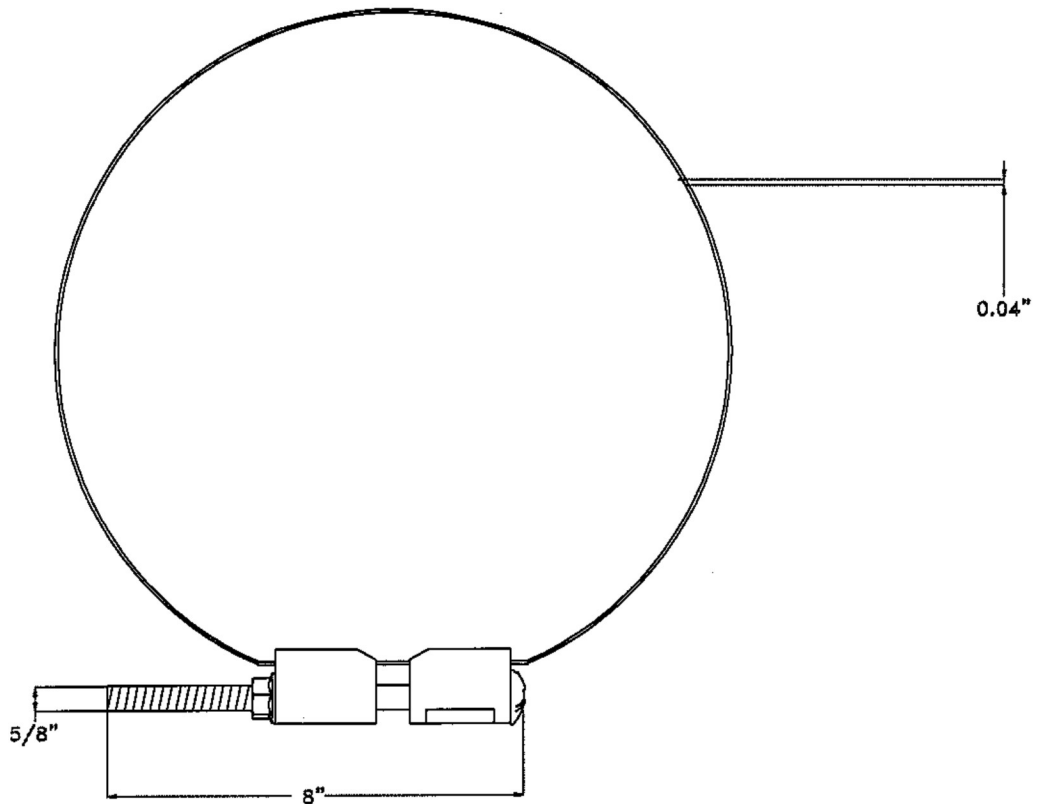
**693A Spanish Town Road, Kingston 11**

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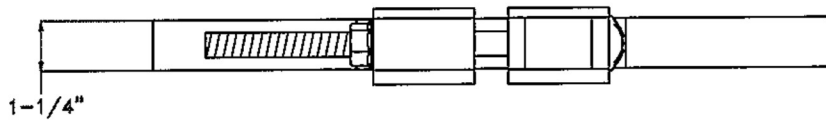
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**Material Data Form (F243)**

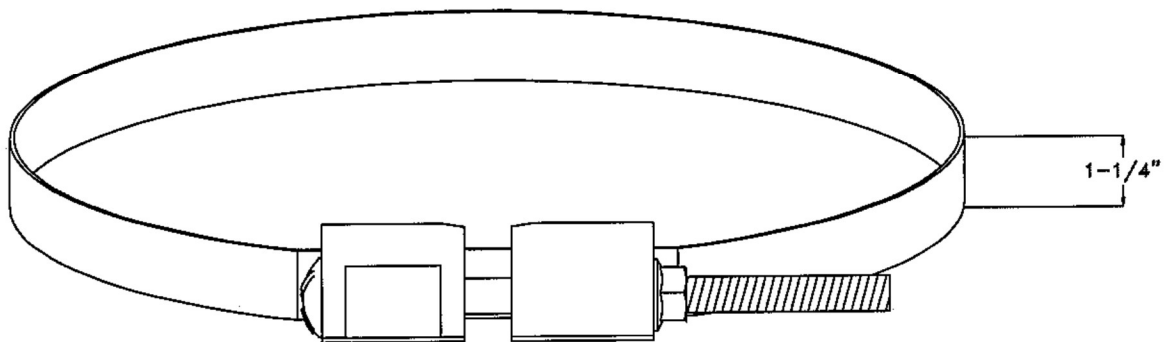
Manufacturer	
Catalogue Number	
Manufacturing Standards	
Band Type (material)	
Extrusions Type (material)	
Bolt Type (material)	
Band Dimensions	
Carriage Bolt dimensions	
Band Strength	
Extrusion Strength	
Name of coating/ Specification of coating attached?	
Thickness Of Coating	
Color Of Coating	
Weight Of Complete Band Assembly	



Pole Strap Band  
Plan View



Pole Strap Band  
Front View



Pole Strap Band  
Isometric View

JAMAICA PUBLIC SERVICE - KINGSTON JAMAICA				SCALE
TECHNICAL STANDARD				N.T.S.
DISTRIBUTION STANDARD POLE STRAP (BAND)				
DRAWN	CHECK'D	APP'D	DATE MAY '04'	JPS DRWG. No. PSB2004-1 SHT. 1 OF 1