

Revision Report

Prepared for:

Hard Comercio De Fixadores
Rua Humberto Pinheiro Vieira, 150 Lote 1 e B
E Resinas Ltda
Distrito Industrial
Joinville, Santa Catarina CEP 89219 57
Brazil

<http://www.hard.com.br>

Company ID 144787-1

Customer Reference:

PO Number:

Date Submitted: June 14, 2017

Revision Request No: RR210121

Class: 4471

Summary of Requested Changes for Application from Hard Comercio De Fixadores:

Hard Comercio De Fixadores requested to extend their listing of their Durs PB 12-14 from maximum length of 2 inches (50.8 mm) to 6 inches (152.4 mm).

Summary of Changes From Your Application

| Type | Description | Project ID | Disposition | Comment |
|------------------|--|------------|-------------|---|
| Technical Change | RR was accepted. Approved fastener maximum length was extended from 2 inches to 6 inches. Audit Manual was updated to reflect new fastener description and drawings. RoofNav was updated by Engineer through WIP#21JUN17001 (No listing sheet created) | 3049529 | Accepted | RR accepted. AM updated. RoofNav updated by Engineer through WIP#21JUN17001 (No listing sheet created). |

DATE: 21-Jun-17

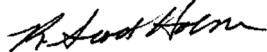
PREPARED BY



Engineer

Materials

REVIEWED BY



AVP, Technical Team Manager

Materials

Product Detail Report

| | |
|----------------|---|
| Company: | Hard Comercio De Fixadores |
| Trade Name: | DURS PB 12-14 Fastener |
| Document Link: | none |
| Comments: | DURS PB 12 – 14 are Size No. 12 screws Approved in lengths ranging from minimum 25.4 mm (1.0 in.) to maximum 152.4 mm (6.0 in.) long containing 14 threads per 25.4 mm (1 in.) of a coarse-thread series, a 7.85 mm (0.31 in.) hexagon drive head with an EPDM washer and a pilot drilling tip. The threads have a 5.5 mm (0.186 in.) maximum major diameter and 4.6 mm (0.181 in.) minimum minor diameter. The screws are Zinmec coated or Ecoseal Zinmec coated and the screw heads can be painted over the coating in various colors as desired. |

Approved Uses

Fastening (Fastener)

| | |
|----------------------------|--|
| Material: | steel |
| Fastener Type: | screw, self drilling |
| Fastener Coating: | (see comments) |
| Drive Head: | hex drive |
| Fastener Diameter: | 5.5000 mm |
| Min Length: | 25.4000 mm |
| Max Length: | 152.4000 mm |
| Steel Deck Fastener: | No |
| Structure Min Thickness: | 1.5000 mm |
| Structure Max Thickness: | 5.3500 mm |
| Max Deck Design Thickness: | 0.0000 mm |
| Comments: | The screws are Zinmec coated or Ecoseal Zinmec coated and the screw heads can be painted over the coating in various colors as desired |