BPS-registered Logos of Steel Bar Manufacturers

- As of July 2008, the BPS has approved the logos of the following steel bar manufacturers:

AC Steel Industries, Inc. **PNS 49**

APO Rolling Mills, Inc. **PNS 49**

Asian Industrial Steel Corp. **PNS 49 & 211**

Biñan Steel Corporation **PNS 49**

Builders Steel Corporation **PNS 49**

Cadiz Steel Corporation **PNS 211**

Capitol Steel Corporation **PNS 49**

Cathay Pacific Steel Corp. (Novaliches Plant) **PNS 49 & 211**

Cathay Pacific Steel Corp. (Rizal Plant) **PNS 49 & 211**

Cebu Steel Corporation **PNS 49 & 211**

Continental Steel Mfg. Corp. **PNS 49 & 211**

Falcon Metal Corporation **PNS 49 & 211**

Ferro Steel, Inc. **PNS 49**

Filipino Metals Corporation **PNS 49 & 211**

First Tandem Steel Resources **PNS 49**

Grand Asia Metal Corporation **PNS 211**

Joyland Industries Corporation **PNS 211**

K & A Metal Industries, Inc. **PNS 211**

Legacy Steel, Corporation **PNS 49 & 211**

Mackay Industrial Corporation **PNS 49 & 211**

Maxima Steel Mills Corp. **PNS 49**

Merchant Steel Corporation **PNS 211**

Northwest Rolling Mills, Inc. **PNS 49**

Pag-asa Steel Works, Inc. **PNS 49**

Pag-asa Steel Works, Inc. **PNS 49**

Perfect Iron Corporation **PNS 211**

Primary Steel Corporation **PNS 49**

RNR Steel Industries Inc. **PNS 211**

Somico Steel Corporation **PNS 49**

Steel Asia Mfg. Corporation **PNS 49**

Stronghold Steel Corporation **PNS 49**

Sunlife Steel & Plastic Product Corporation **PNS 211**

Tireboy Metal Corporation **PNS 211**

Unicorn Metal Corporation **PNS 49 & 211**

Universal Steel Smelting Co., Inc. **PNS 49 & 211**

Venus Steel Corporation **PNS 49 & 211**

Worldwide Steel Corporation **PNS 49 & 211**

- As of July 2008, the BPS has issued the ICC and approved the logos of the following steel bar importers:

Cebu Steel Corporation **PNS 49**

China National Construction & Agricultural Machinery I/E Corp. **PNS 49**

China National Machinery & Equipment Corp. **PNS 49**

Universal Steel Smelting Co., Inc. **PNS 49**

BUREAU OF PRODUCT STANDARDS
Department of Trade and Industry

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Consumers' Guide

PRODUCT QUALITY AND SAFETY

Steel Bars

Steel Bars

Product Classification and Grading

- There are two PNS on steel bars under mandatory certification, namely:
  - PNS 49:2002 - for deformed steel bars derived from billets or ingots
  - PNS 211:2002 - for deformed re-rolled steel bars derived from other materials
- A deformed steel bar has surface lug or protrusions called deformities. It is further classified as regular and weldable.
- Deformed steel bars are graded based on its minimum yield strength:
  - 230
  - 275
  - 415
  - 230 Weldable (W)
  - 275 W
  - 415 W
- Deformed re-rolled steel bars are graded based on its minimum yield strength:
  - 170 - for sizes 6 mm and 7 mm
  - 230 - for isze 8 mm

Product for Mandatory Certification

- Steel bars are regulated by the Department of Trade and Industry (DTI).
- Manufacturers and importers should apply for a Philippine Standard (PS) license and Import Commodity Clearance (ICC) certificate, respectively, before the products are distributed and sold.
- The DTI - Bureau of Product Standards (BPS) acquires a sample of the steel bar for inspection and testing based on the Philippine National Standard (PNS) 49:2002 and PNS 211:2002.

Product with the PS or ICC Mark

- Only manufacturers and importers whose products have passed the PNS requirements will be issued with the PS license and ICC certificate by the DTI-BPS.
- A manufacturer with the PS license and an importer with the ICC certificate are required to register their logo with BPS, which should be embossed together with the size and grade of the steel bar.

Product Markings based on PNS 49:2002

The following are the required markings that should be clearly embossed on **deformed steel bars** based on the **PNS 49:2002** as shown in Fig. 1:

- Manufacturer's mark or logo registered with BPS
- Bar size - Arabic numeral reflecting the nominal diameter:

Size, mm (nominal diameter)	
8	28
10	32
12	36
16	40
20	50
25	

- Grade - dash (parallel to the rib) or the grade number itself as follows:
  - No dash - grade 230
  - 1 dash - grade 275
  - 2 dashes - grade 415
  - W - weldable grade
  - No W - regular grade
- Color codes - painted on the surface of the ends of each bar in place of the dash:
  - Grade 230 - white
  - Grade 275 - yellow
  - Grade 415 - green
  - Weldable Grade - red
  - Quenched and tempered - silver

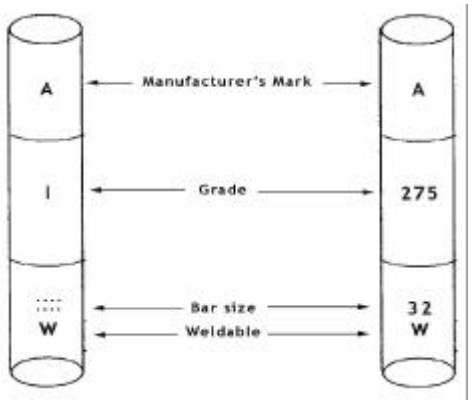

Fig. 1 - Marking for Grade 275, Size 32, Weldable Deformed Steel Bar

Product Markings based on PNS 211:2002

The following are the required markings that should be clearly embossed on **re-rolled steel bars** based on the **PNS 211:2002**:

- Manufacturer's mark or logo registered with BPS
- Bar size - the nominal diameter itself or color code
- Additional size marking as follows:

Figure 2 - Size marking for 6 mm

Figure 3 - Size marking for 7 mm

Figure 4 - Size marking for 8 mm

- Color codes for deformed steel bars shall be painted on the surface of both ends of each bar as follows:

Bar Size	Color Code
6	blue
7	orange
8	violet