

$A_B = 510,000 \text{ mm}^2$
 $I_B = 108,689 \times 10^6 \text{ mm}^4$
 $S_{TB} = 146,226 \times 10^3 \text{ mm}^3$
 $S_{BB} = 172,893 \times 10^3 \text{ mm}^3$
 $Y_{TB} = 743.3 \text{ mm}$
 $Y_{BB} = 628.7 \text{ mm}$
 $W_t = 12.04 \text{ kN/m}$

Technical drawing of a cross-section of a prestressed concrete pile. The pile has a total width of 660 mm and a total height of 1372 mm. It features a central vertical shaft with a 32 mm diameter, surrounded by a 204 mm wide web. The top and bottom flanges are 228 mm wide. The top flange contains 12 strands, and the bottom flange contains 12 strands. The central shaft is reinforced with 10 strands at 50 mm spacing. The top flange is reinforced with 2 strands at 50 mm spacing. The bottom flange is reinforced with 7 strands at 50 mm spacing. The pile is labeled with various dimensions and reinforcement details.

Dimensions and Reinforcement Details:

- Total Width: 660
- Total Height: 1372
- Top Flange Width: 228
- Top Flange Height: 204
- Web Width: 204
- Web Height: 584
- Bottom Flange Width: 228
- Bottom Flange Height: 204
- Central Shaft Diameter: 32 CL.
- Top Flange Reinforcement: 12 ϕ STRAND
- Bottom Flange Reinforcement: 12 ϕ STRAND
- Central Shaft Reinforcement: 10 @ 50 = 500
- Top Flange Reinforcement: 2 @ 50 = 100
- Bottom Flange Reinforcement: 7 @ 50 = 350
- Other Dimensions: 508, 77, 127, 125, 152, 1302, 1301, 1001 (e.f.), 80, 50

I - BEAM TYPE IV
Figure 63-13 J