

JIS

JAPANESE INDUSTRIAL STANDARD

Precast Reinforced Components
for Concrete Fences

Ⓔ JIS. A 5409—1982

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by

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Translation without guarantee
In the event of any doubt arising, the original
standard in Japanese is to be evidence



1. Scope

This Japanese Industrial Standard specifies the precast reinforced components for concrete fences, hereinafter referred to as concrete fences.

Remark: The units and numerical values given in { } in this standard are in accordance with the International System of Units (SI), and are appended for reference.

2. Materials and Manufacture

2.1 The cement shall be the high-early strength portland cement or ordinary portland cement specified in JIS R 5210.

2.2 The aggregate shall be clean, firm and durable, and be free from a harmful amount of dust, mud, salts, etc.. Further, the aggregate shall be mixed appropriately with fine and coarse grains and the maximum size shall be 20 mm and less than 1/3 of the minimum thickness of product, and be free from flat or slender grains.

2.3 The reinforcement shall be of steel bars or ordinary steel wires specified in JIS G 3112, JIS G 3117 or JIS G 3532.

The arrangement of reinforcement shall be carried out by binding with the annealed steel wires specified in JIS G 3532 or by the electric resistance spot welding.

2.4 The proportion of concrete to be used for the manufacture of concrete fence shall be determined so that the manufactured concrete fence with the quality shown in Table 1 can be obtained and the quantity of cement to be used shall be not less than 370 kg/m³. The surface active agent and other suitable admixture may be used so far as it doesn't deteriorate the quality of manufactured concrete fence.

2.5 A mixer shall be used for mixing of raw materials and a powered vibrator shall be used for forming of concrete.

Applicable Standards:

JIS G 3112-Steel Bars for Concrete Reinforcement

JIS G 3117-Rerolled Steel Bars for Concrete Reinforcement

JIS G 3532-Low Carbon Steel Wires

JIS R 5210-Portland Cement

JIS Z 9001-General Rules for Sampling Inspection Procedures