

JIS

JAPANESE INDUSTRIAL STANDARD

Reinforced Concrete Gutters

Ⓔ **JIS A 5305**—1987

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by

Japanese Standards Association

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.



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Reinforced Concrete Gutters

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1. Scope

This Japanese Industrial Standard specifies the reinforced concrete gutters, hereinafter referred to as the "gutters", used mainly for the side ditches of road.

Remark: The units and numerical values given in { } in this Standard are based on the International System of Units (SI) and are appended for informative reference.

2. Quality

2.1 Appearance The gutter shall be free from flaw, crack, chipping, warpage or the like that are harmful to use.

2.2 Flexural Strength The gutter shall have the flexural strength equal to or exceeding the load shown in Table 1 when subjected to the flexural test specified in 6. The flexural strength means the load shown by a tester the instant a cracking initially appears in a flexural test.

Table 1. Flexural Strength Load

Designation	Span L mm	Flexural strength load kgf {kN}	
		$l = 600$ mm	$l = 1\,000$ mm
150	110	1 300 {12.75}	2 200 {21.57}
180	140	1 400 {13.73}	2 400 {23.54}
240	190	1 600 {15.69}	2 700 {26.48}
300A, 300B	250	1 700 {16.67}	2 900 {28.44}
300C		2 000 {19.61}	3 400 {33.34}
360A, 360B	310	1 600 {15.69}	2 700 {26.48}
450	380		
600	550	1 400 {13.73}	2 400 {23.54}

Applicable Standards: See page 7.