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DOWEL CONSUMER ADVICE

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PRODUCT NOTICE

Consumer Advice for Round Dowel curtain rail applications



Porta Round Dowel is regularly used for curtain rail or towel rail applications. Typically, a curtain or towel is hung across the width of the rail, between supporting brackets. Sometimes the rail is used to suspend a single planter or pot plant from the center (across the width).

A typical question is; what diameter dowel should I use? What maximum weight is recommended?

Porta dowels are not structurally certified. The strength of the dowel under the weight of the curtain (or pot plant hanging from it) has been assessed. The maximum load figures are based on being visually suitable having a maximum 5mm per metre sag, along with its ability not to break or permanently sag.

This information offers consumers guidance on the suitability of timber dowel for these applications.



I'm hanging a 1.5Kg curtain on a TasOak rail with 900mm between supports. What is the minimum recommended diameter dowel for this application?

Ok; 900mm length (between supports), 1.5Kg weight of curtain, using TasOak, (with a Distributed Load e.g. a pull across curtain). DOW30TOSL would be suitable.



I'd like to use a 25mm dowel (DOW25) to hang a pot plant on a curtain rail (900mm between supports). What is the maximum weight of pot plant I can use for this?

Ok; 900mm length (between supports) and DOW25, Centre Load (e.g. hanging a pot plant). The maximum recommended weight using TasOak, is 0.5Kg (500grams). Using Pine, the maximum weight is less than 0.5Kg (500grams) & not recommended.

Maximum pot plant weight is 500gram, using a DOW25 in TasOak.

MAXIMUM RECOMMEND WEIGHT (kg)

Either distributed across a round rail or in the centre

DISTRIBUTED LOAD Maximum Load Distributed Along a Horizontal Rail for a Porta Round Dowel in Tasmanian Oak

TASOAK	Diameter	300mm	600mm	900mm	1200mm	1500mm	1800mm	2100mm	2400mm
DOW09TOSL	9.5mm	0.5kg	0.1kg	X	X	X	X	X	X
DOW12TOSL	12.7mm	1.5kg	0.2kg	X	X	X	X	X	X
DOW16TOSL	16mm	3.8kg	0.5kg	0.1kg	0.1kg	X	X	X	X
DOW19TOSL	19mm	7.5kg	0.9kg	0.3kg	0.1kg	0.1kg	X	X	X
DOW22TOSL	22mm	13.7kg	1.7kg	0.5kg	0.2kg	0.1kg	0.1kg	X	X
DOW25TOSL	25.4mm	24.6kg	3.1kg	0.9kg	0.4kg	0.2kg	0.1kg	0.1kg	X
DOW30TOSL	28.6mm	38.6kg	5.0kg	1.5kg	0.6kg	0.3kg	0.2kg	0.1kg	0.1kg
DOW35TOSL	35mm	72kg	11.4kg	3.4kg	1.4kg	0.7kg	0.4kg	0.3kg	0.2kg
DOW43TOSL	42.4mm	125kg	25.2kg	7.5kg	3.2kg	1.6kg	0.9kg	0.6kg	0.4kg
DOW50TOSL	50mm	178kg	49.9kg	14.8kg	6.2kg	3.2kg	1.9kg	1.2kg	0.8kg

CENTRE LOAD Maximum Load in the Centre of a Horizontal Rail for a Porta Round Dowel in Tasmanian Oak

TASOAK	Diameter	300mm	600mm	900mm	1200mm	1500mm	1800mm	2100mm	2400mm
DOW09TOSL	9.5mm	0.1kg	X	X	X	X	X	X	X
DOW12TOSL	12.7mm	0.3kg	0.1kg	X	X	X	X	X	X
DOW16TOSL	16mm	0.7kg	0.2kg	0.1kg	X	X	X	X	X
DOW19TOSL	19mm	1.4kg	0.4kg	0.2kg	0.1kg	0.1kg	X	X	X
DOW22TOSL	22mm	2.6kg	0.6kg	0.3kg	0.2kg	0.1kg	0.1kg	X	X
DOW25TOSL	25.4mm	4.0kg	1.2kg	0.5kg	0.3kg	0.2kg	0.1kg	0.1kg	0.1kg
DOW30TOSL	28.6mm	5.8kg	1.9kg	0.8kg	0.5kg	0.3kg	0.2kg	0.2kg	0.1kg
DOW35TOSL	35mm	11kg	4.3kg	1.9kg	1.1kg	0.7kg	0.5kg	0.4kg	0.3kg
DOW43TOSL	42.4mm	20kg	9.5kg	4.2kg	2.4kg	1.5kg	1.1kg	0.8kg	0.6kg
DOW50TOSL	50mm	33kg	16.6kg	8.3kg	4.7kg	3.0kg	2.1kg	1.5kg	1.2kg

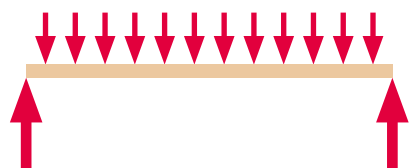
DISTRIBUTED LOAD Maximum Load Distributed Along a Horizontal Rail for a Porta Round Dowel in Pine

PINE	Diameter	300mm	600mm	900mm	1200mm	1500mm	1800mm	2100mm	2400mm
DOW09PICL	9.5mm	0.4kg	X	X	X	X	X	X	X
DOW12PICL	12.7mm	1.3kg	0.2kg	X	X	X	X	X	X
DOW16PICL	16mm	3.3kg	0.4kg	0.1kg	X	X	X	X	X
DOW19PICL	19mm	6.7kg	0.8kg	0.3kg	0.1kg	X	X	X	X
DOW25PICL	25.4mm	22kg	2.7kg	0.8kg	0.3kg	0.2kg	0.1kg	0.1kg	X
DOW30PICL	28.6mm	33kg	4.4kg	1.3kg	0.6kg	0.3kg	0.2kg	0.1kg	0.1kg
DOW35PICL	35mm	62kg	10.1kg	3.0kg	1.3kg	0.7kg	0.4kg	0.2kg	0.2kg
DOW43PICL	42.4mm	102kg	22.3kg	6.6kg	2.8kg	1.4kg	0.8kg	0.5kg	0.4kg

CENTRE LOAD Maximum Load in the Centre of a Horizontal Rail for a Porta Round Dowel in Pine

PINE	Diameter	300mm	600mm	900mm	1200mm	1500mm	1800mm	2100mm	2400mm
DOW09PICL	9.5mm	0.1kg	X	X	X	X	X	X	X
DOW12PICL	12.7mm	0.2kg	0.1kg	X	X	X	X	X	X
DOW16PICL	16mm	0.6kg	0.2kg	0.1kg	X	X	X	X	X
DOW19PICL	19mm	1.3kg	0.3kg	0.1kg	0.1kg	X	X	X	X
DOW25PICL	25.4mm	3.4kg	1.0kg	0.5kg	0.3kg	0.2kg	0.1kg	0.1kg	0.1kg
DOW30PICL	28.6mm	5kg	1.7kg	0.7kg	0.4kg	0.3kg	0.2kg	0.1kg	0.1kg
DOW35PICL	35mm	9kg	3.8kg	1.7kg	1.0kg	0.6kg	0.4kg	0.3kg	0.2kg
DOW43PICL	42.4mm	17kg	8.4kg	3.7kg	2.1kg	1.3kg	0.9kg	0.7kg	0.5kg

GREEN is a suitable application, AMBER only a small load is suitable, RED not recommended. This information is offered only for the purpose of providing useful information. Porta Mouldings Pty. Limited accepts no responsibility for its use or interpretation or omissions.



DISTRIBUTED LOAD Handing a Curtain



CENTRE LOAD Handing a Pot Plant