Centre Plugs

Compression moulded

MANUFACTURE

The raw material is wood – a mixture of planer shavings and chips. It contains no bark or other waste products which might lead to variations in quality.

The raw material is dried and mixed with a glue-wax dispersion. The mixture is compressed under high pressure and at the same time heated. The result is a stable, hard-wearing and fully homogeneous product.

The outside of the plug has a smooth surface, making it possible to apply brand labels.

The plug are 90% wood, and , in total combustion conditions, produce largely carbon dioxide and water.

TWO DIFFERENT PLUGS

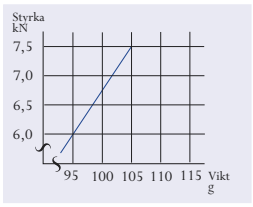
We have two different plugs, one with pre-formed noses so the plug can be used for several dimensions. The other one is in exact size without noses and that gives a perfect fit.

Our centre plugs are made in some 65 different sizes - from 40 to 308 mm in diameter. We have plugs for all purposes.

PRODUCT QUALITY

The centre plugs are allowed a maximum diameter deviation of +/– 0,2 mm from the nominal dimension.

The importance of the weight of he plugs to the strength is clear from the diagram. (Relates to dimensions 78 x 40 x 25 mm).



COMPRESSIVE STRENGTH TABLE

Outer diam	Height	Internal diam	Compressive strength, kN
52,0	30	25	2,5
72,0	30	25	4,8
77,0	30	25	5,6
78,0	30	25	6,0
78,0	40	25	7,5
102,5	40	25	10,5
152,0	40	25	18,1
203,0	40	50	22,0
302,0	40	85	24,0

Strength is tested with the aid of special tensile test apparatus.

As weight is so important all plugs are made in machines equipped with scales. Weighing the glue-wood-wax mixture before pressing reduces the risk of weight variation in the plugs.

The swelling of the plugs, when subjected to high humidity, is very small and uniform in all directions.

Plugs made of solid wood often become oval when exposed to changes in humidity, but this never happens to our centre plug.

The glue in the plug is a urea formaldehyde glue and presents no hazard in the finished product to either people or material.

The formaldehyde content of the plug does not exceed 4-6 mg/100 g product.

Measurements have been taken using the perforator method. These show the formaldehyde content to be very low and well within the E1 quality standard, which prescribes a formaldehyde content not exceeding 10 mg/100 g product.

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