



Ancillary materials, equipment & fittings
For all types of tunnelling

Tunnelling Accessories Ltd
Sidney Little Road
Churchfields Industrial Estate
St. Leonards-on-Sea
East Sussex TN38 9PU
Tel: (national) 01424 854112
(International) +44 1424 854112
Fax: 01424 854231
e-mail: info@tunnellingaccessories.co.uk
www.tunnellingaccessoires.co.uk

JACKING PIPE PACKERS

Jacking Pipe Packers are made from MDF (medium density fibreboard), which is an engineered wood product formed by breaking down hardwood residuals into wood fibres, combining it with a wax and resin binder, and forming panels by applying high temperature and pressure.

MDF has been found to be the best sheet material for use as a compression packer on the ends of jacking pipes due to its resistance to compressive load, and its thickness recovery if the load is removed.

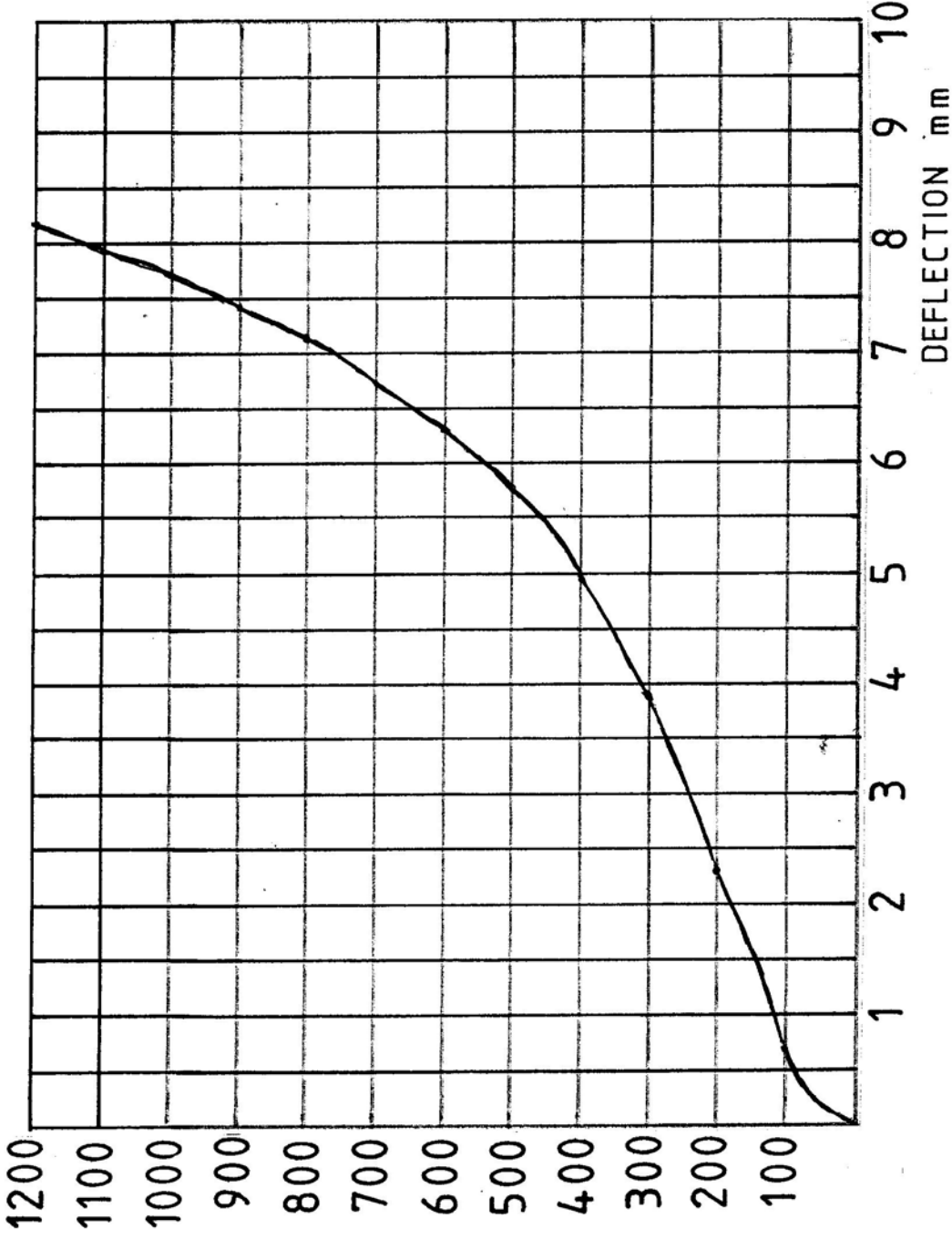
The packers are normally manufactured in segments, with the number per joint ring dependant on the size of pipe – 3 No per ring on a 450mm dia. to 6 No per ring for a 2100mm dia. pipe.

The inside diameter of the packer ring is normally larger than the inside diameter of the pipe, and the outside diameter is normally smaller than the outside diameter of the spigot joint. This is to concentrate the jacking load through the centre of the pipe wall thickness (the strongest part of the pipe), and to reduce the possibility of spalling the internal and external edges of the concrete.

The packer ring is normally fixed onto the socket end of the pipe using contact adhesive.

LOAD VS DEFLECTION

LOAD kN ON 0.0225m² AREA OF MATERIAL



TEST CARRIED OUT
ON 150mm X 150mm
TEST PIECE

THICKNESS BEFORE
LOADING = 17.9mm

THICKNESS AFTER
LOAD REMOVED
= 13.65mm
(after leaving for 1 hour)

DATE		AMENDMENTS		MATERIAL		TUNNELLING ACCESSORIES		SCALE		DRAWING No	
A										DRAWN BY	LT 18 M
B										CHECKED	
C										DATE	12.03.09
D											

DESCRIPTION
COMPRESSIVE LOAD TEST ON 18mm MDF