BEARING PLATE TEST APPARATUS, NF AND BENKELMAN BEAM

To determine the bearing capacity and deflection of subgrade and subbase of roads. The apparatus comprises:

- **35-T1100/PF** Aluminium bearing plate 600 mm dia., with reinforcing ribs. Weight approx.: 30 kg
- **35-T11F2/2** Hydraulic jack, 200 kN cap. Weight approx.: 10 kg
- **35-T11F2/3** Set of three interchangeable extensions with spherical seated foot. Weight approx.: 12 kg
- **35-T11F2/4** Hand pump with precision dial gauge 200 mm dia. Calibrated in bar (o to 3.5) and in daN
  (0 to 10000). Complete with connecting hose. Weight approx.: 11 kg
- **35-T1100/HC** Carrying case for all the above items except the Bearing plate 35-T1100/PF. Weight approx.: 10 kg
- **35-T1100/BF** Benkelman beam apparatus. Weight approx.: 15 kg

Total weight approx.: 100 kg
Note: all the above parts can be purchased individually

STANDARDS

- NF P94-117-1

ACCESSORIES

35-T1100/FC

Wooden carrying case per Benkelmann beam

ORDERING CODE

35-T11F2

Plate bearing test apparatus 200 kN cap., French method. Includes: hydraulic kit with manometer andtrolley, three dial indicators, bearing plate 600 mm dia. and Benkelman beam

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CONTROLS

How to design a custom configuration – Example 1

Requisites:

- 100 kN capacity
- Electronic version with single displacement transducer
- Bearing plates: dia. 160 and 300 mm
- Reference beam 5.5 meter
- carrying cases included for all parts

				Q.TY
Hydraulic assembly with pressure read out unit – ELECTRONIC VERSION				
35-	T110J/H1	100 kN	Hydraulic assembly with cylinder, pump, extension rods, spherical seats	1
82-	P9008/F		DATALOG 8, 8 channel datalogger battery operated	1
	P9008/ELT1		Single connection cable	2
	P0700		Pressure transducer	1
	P0349/ELT		Connection cable for pressure transducer	1
Device for displacement measurement				
35-	T1100/ARM		Adjustable support for displacement device	1
82-	P0324		Displacement transducer 50 mm stroke	1
Loading plates				
35-	T1100/P6		160 mm (6") dia. x 25 mm (1")	1
	T1100/P12		300 mm (12") dia. x 25 mm (1")	1
Reference bar				
35-	T1100/B25		Datum bar 2.5 m long	1
Accessories				
35-	T1100/MT		Measuring tunnel suitable for single displacement gauge and hydraulic kit 100 and 200 kN	1
	T1100/BC		Wooden carrying case for reference bar (2.5 m and 5.5 m versions)	1
	T1100/HC		Carrying case, trolley type, for bearing plate hydraulic assembly 100 kN and 200 kN	1