STANDARD RING AND BALL APPARATUS

Used for determining the softening point of bituminous materials. Comprising:

- 81-PV0145/1 Brass rings (2 pieces included in set)
- 81-PV0145/2 Steel balls 9.5 mm dia. (2 pieces included in set) 81-PV0145/3 Ball centering guide (2 pieces included in set) 81-PV0143/1 Glass vessel
- 81-PV0145/5 Pouring plate
- PV0145/6 Ring holder/assembly
- D1200/1MF Glass thermometer, -2 +80°C, 0.2°C graduation, ASTM 15C, mercury-free

All the above items can be purchased individually. Total weight: 1 kg approx.

The test has to be performed using the speci?c liquids and the suitable hot plate listed within the accessories. We propose three hot plate solutions:

- 10-D1402/D Standard hot plate, 185 mm dia., 1500 W. More economical solution thus conforming to ASTM standards.
- 81-B0145/C1 Hot plate with centering/protection device for 81-B0145 Ring and Ball apparatus. More professional solution.
- 10-B0145/E Hot plate with magnetic stirrer, conforming either to ASTM or to EN 1427 Standards which require the water stirring for more temperature uniformity.

We also propose a fully automatic model. See #automatic-ring-and-ball-apparatus#.

STANDARD RING AND BALL APPARATUS

STANDARDS

- EN 1427
- ASTM D36
- AASHTO T53

ACCESSORIES

81-B0145/C1

Hot plate only with cartering/protection device for 81-B145/C 230V/50-60Hz/1Ph.

81-B0145/C1Z

Hot plate only with cartering/protection device for 81-B145/C 110V/60Hz/1Ph.

81-PV0143/1

600 ml beaker for 81-B0143 and B0145/A

81-PV0145/1

Brass ring (one piece)

81-PV0145/2

Steel ball

81-PV0145/3

Ball centering guide (single piece)

10-D1402/D

Hot plate, 185 mm dia. with thermostat. 1500 W. 230V/50-60Hz/1ph

82-D1200/1MF

Thermometer IP 60C ASTM 15C, range -2 to +80°C, mercury free with alternative liquid

82-D1200/2MF

Thermometer IP 61C ASTM 16C, range +30 to +200°C, mercury free with alternative liquid

10-B0145/E

Hot plate maximum temperature 280°C and magnetic stirrer, 100 to 1500 rpm. capacity 3 liters. 200-240V. 50-60 Hz, 1 ph

ORDERING CODE

81-B0145/A

Ring and ball apparatus to EN 1427 and ASTM D36