

Product Information

Resilient and laminate floor covering tester ZHR8150CLF

CTA: 216300 216302



Applications

The ZHR8150CLF hardness tester covers the following methods: Resilient and laminate floor coverings – Determination of indentation and residual indentations

- ISO 24343-1: Residual indentation
- ISO 24343-2: Short-term residual indentation of resilient floor covering
- ISO 24343-3: Indentation of resilient semi-flexible/vinyl composition tiles
- ASTM F1303, according to test method ASTM F1914:¹⁾ Indentation and residual indentation
- ASTM F1913, according to test method ASTM F1914:¹⁾ Indentation and residual indentation

Advantages and features

- Closed-loop control load application enables hardness tests in a wide range of applications with only one instrument.
- Nose-mounted indenter allows hardness testing in difficult-to-access measuring points.
- Automatic test sequence and automatic conversion in alternative hardness scales save time and guarantee a high level of repeatability.
- Its robust design with play-free, ball bearing lead screw and ease of operation provides optimal operation for use in production.

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Technical data

Description	Value	
Type	ZHR8150CLF	
Item no.	2112396	
Load control (load, holding, unload)	Automatic	
Resolution, min.	0.1 positions	
Pre-load setting	With optical and acoustic support	
Start test procedure	Automatic	
Test area, standard (H x D)	250 x 150	mm
Test area, expanded (H x D)	379 x 150	mm
Dimensions, standard (H x W x D)	800 x 260 x 670	mm
Dimensions, expanded (H x W x D)	950 x 260 x 670	mm
Approx. weight	60	kg
Power supply voltage	120 or 240	V
Power supply frequency	50 to 60	Hz

Accessories

Description	Item number
Flat anvil, 70 mm diameter ¹⁾	2111157
Apparatus for measuring thickness of test pieces to the nearest 0.01 mm according to Standard ISO 24343-1 - Reading accuracy 0.01mm - Serial interface - Foot diameter 6 mm +/- 3 mm - Mass for foams 0.028 +/- 0.001 kg (approx. 10 kPa)	2112438
Annular load according to ISO 24343-1 - Inner diameter 25 mm and Mass 0.5 kg	2112411
Straight, cylindrical steel indenter, diameter 11.30 mm - For testing to ISO 24343-1	2112357
Apparatus for measuring thickness of test pieces according to ISO 24343-1, 2 and 3 - Serial interface - Reading accuracy 0.01mm - Foot: 6.00 +/- 0.03 mm - Foot: 3.50 +/- 0.02 mm - Mass: 0.085 +/- 0.003 kg (approx. 30 kPa) - Mass for foams: 0.028 +/- 0.001 kg (approx. 10 kPa)	2112441
Straight, cylindrical steel indenter, diameter 19.05 mm - For ISO 24343-2 and ASTM F1303 laminate flooring test	2112440
Straight, cylindrical steel indenter, diameter 6.35 mm - For ISO 24343-3 and ASTM F1913 laminate flooring test	2112439

1) Included in the scope of supply