

Ring stiffness tester › Modell-Nr. 1663, 1669

Automatic processing of test scenario

Easy operated

Continuous measuring and recording of force and deformation

Standards

ISO 9967	DIN 16961-2
ISO 9969	ASTM D 2412
ISO 13968	

Description

The testing machines model 1663 and 1669 are designed to determine the ring stiffness, ring flexibility and the creep ratio of thermoplastic pipes.

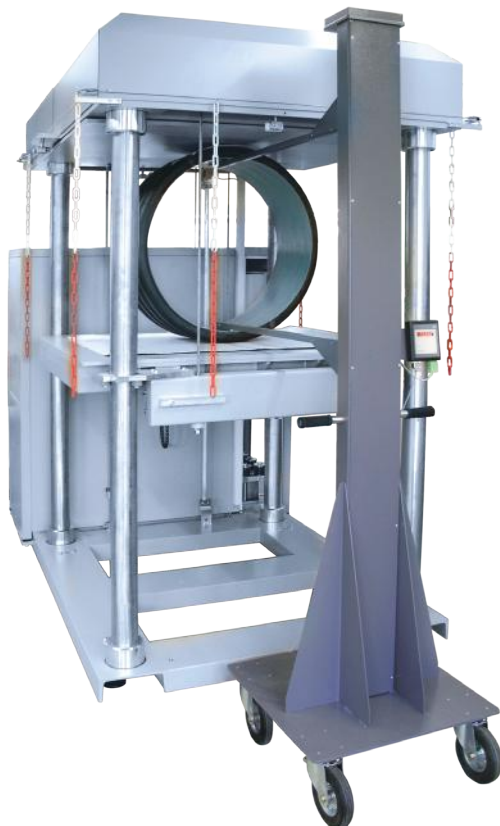
Both feature large compression plates which allow performing the test on the respective diameter range and on pipes with lengths of up to one meter.

A PC-based operational software enables clear representation of the machine and contributes to the usability. Different operational modes allow to either apply a

constant compression to the sample or to continuously move the compression plates towards each other with constant speed. In both cases the applied or resulting forces and distances are recorded and the respective graphs are produced.

Additionally the deflection of the outer or inner diameter of the pipe can be measured and recorded by a specific measuring system.

The interface to IptDataLogging® 6 allows you to fulfill the documentation requirements of current test standards.



Simple and safe operation

- Automatic processing of test scenario
- PC-based control software enables easy operation and a clearly represented visualization

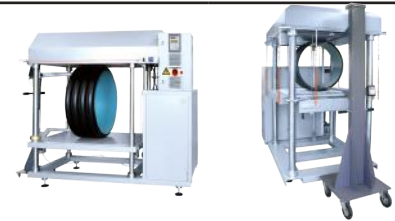
Reliable test results

- Especially designed to determine the ring stiffness, ring flexibility and the creep ratio
- Continuous measuring and recording of the pipe's deformation on either outer or inner wall
- Continuous measuring and recording of compressive force

State-of-the-art technology

- Digital storage and administration of acquired test data via IptDataLogging®

Versions



	V1663-0004	V1669-0002
Max. test force	25	60
Max. outside diameter	800	1600
Preload	Definable up to max. force	
Accuracy	±1 % of measurement 0,04 up to 25 kN	±1 % of measurement 0,04 up to 60 kN
Accuracy of measuring of deformation of the internal diameter	1 % of modification or 0,1 mm (max. value is valid)	
Measuring range of distance measurement	Min. 70 - max. 1000	Min. 70 - max. 1700
Travel distance	930	1630
Extensometer	Integrated	Mobile
PC based software	●	
Operation via IptDataLogging®	○	
Compatible with IptDataLogging®	From version 5.x	
CE conformity	●	
Permissible ambient temperature	+5 to +30	
Permissible relative humidity	Max. 70%, non-condensing	
Width Gerät	2550	2860
Depth Gerät	1155	1710
Height Gerät	1950	2635
Width Extensometer	3350 (Extended)	1820
Depth Extensometer	1155	700
Height Extensometer	1950	2540
Weight (incl. Extensometer)	Ca. 1,6	Ca. 2,5
Voltage data	230/400 V, 50/60 Hz (other voltages on request)	

● included ○ available/optional □ eligible - not available