

GQR-1000 Optical Fiber Cable Flexing Testing Machine

IEC-60794-1-2-E8



HST Group Co.,LTD.

Development Base of Advanced Testing Machine Of China

Overview

GQR-1000 Series Optical Fiber Cable Flexing Testing Machine is intended to establish the ability of a fiber optic cable to withstand mechanical repeated flexing in service, e.g. elevator cable.

Sample

The sample shall be terminated at each end in a connector, or in a manner such that the fibers, sheaths and any strain members are clamped together in a representative manner. It shall be of a length sufficient to carry out the specified test.

Apparatus

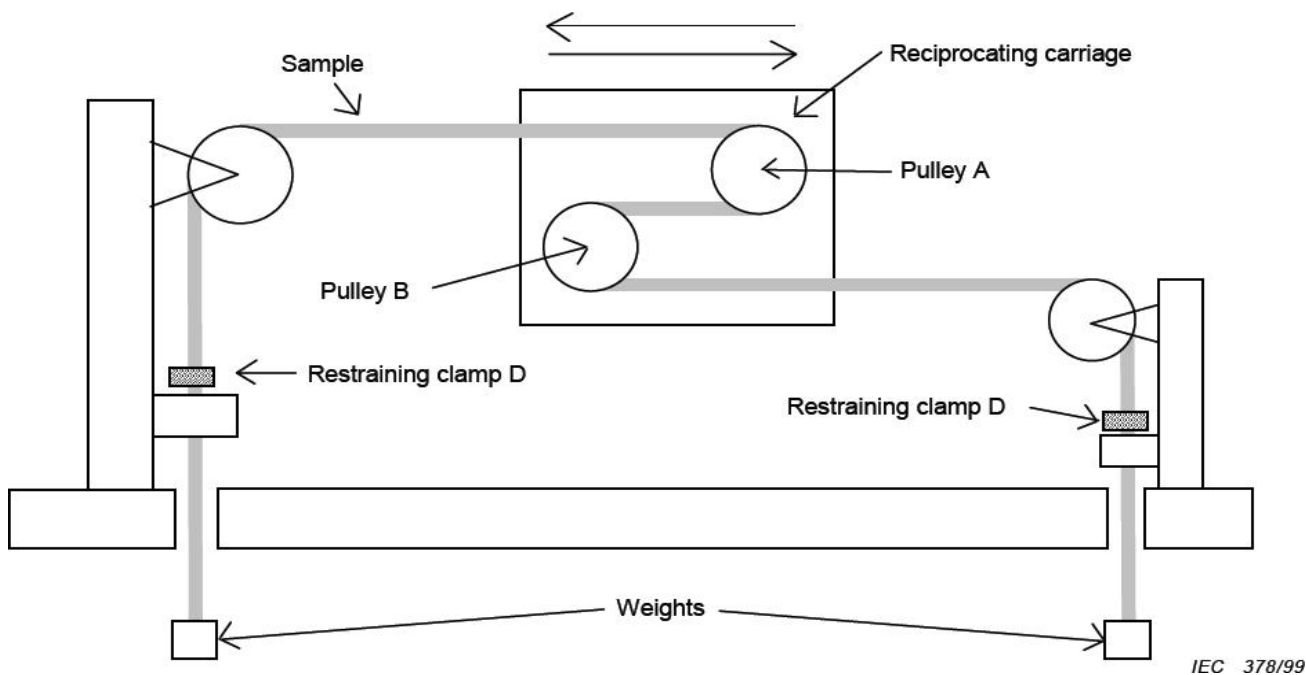
The pulleys shall have a semicircular shaped groove for circular cables and a flat groove for flat cables. There straining clamps D shall be fixed so that the pull is always applied by the weight from which the carriage is moving away. An equivalent apparatus may be used, for example that shown in IEC 60227-2.

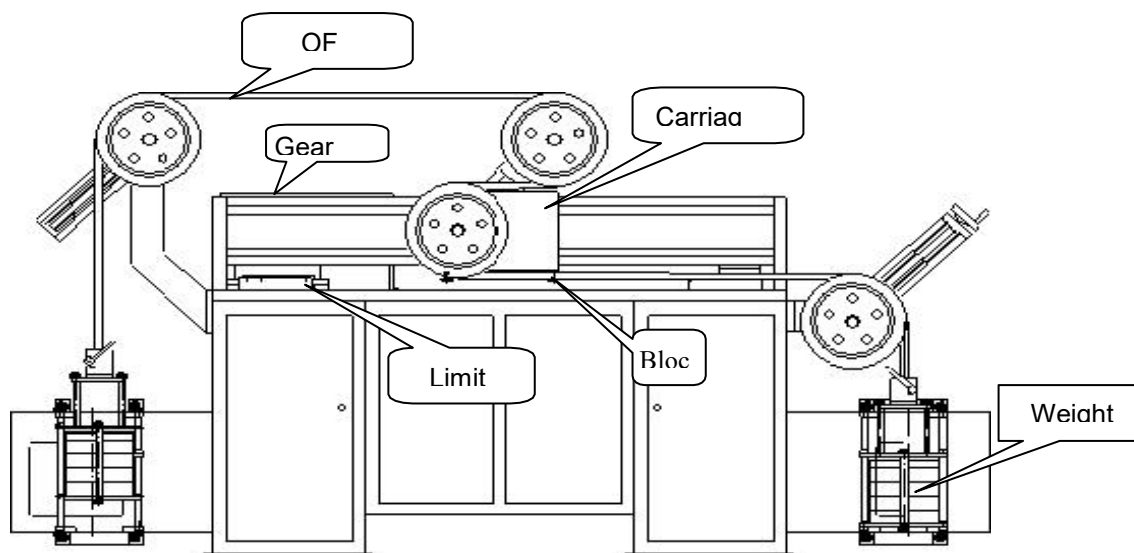
Procedure

Unless otherwise specified, the conditions for testing shall be in accordance with standard atmospheric conditions.

The sample shall be stretched over the pulleys, each end being loaded with a weight. The mass of these weights and the diameters of pulleys A and B shall be as specified in the detail specification.

The sample shall be flexed for the number of cycles specified in the detail specification. A cycle is defined as the movement of the carriage away from its starting position to one end of the traverse, followed by movement in the opposite direction to the other end and then back to the starting position.



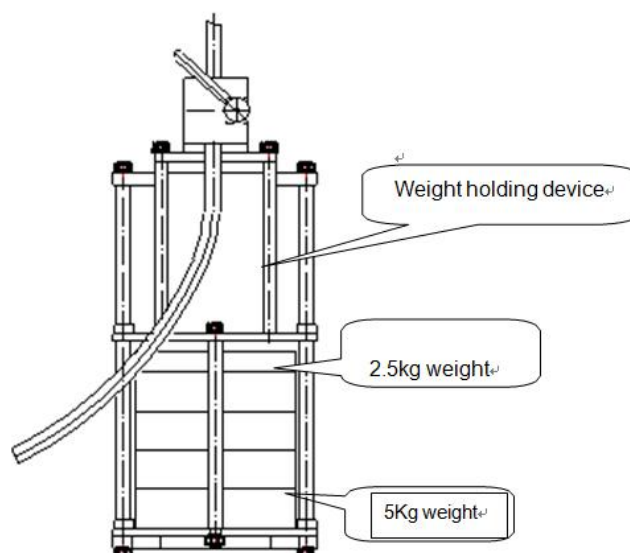


Technical Parameters

Items	Index
Carriage stroke	1000mm
Maximum cycles	9999
Speed setting range	250~350mm/s
Power	0.75kW
Temperature	10℃~40℃
Humidity	Less than 80%

Weights

As is shown in the following figure, this equipment is equipped with one poise frame of 5kg used for installing poise and another 4 poises of 5kg and a poise of 2.5kg. The poise can be added to appropriate weight according to the regulations of optical cable test standard.



Worldwide Headquarters

HST GROUP CO., LIMITED

NO. 4915, West Jingshi Road, Jinan 250012, PR CHINA.

Tel: +86-15866779505 Fax: +86-531-86113759

Email: sales02@hssdtest.com

Website: <http://www.hssdgroup.com>