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NEXYGEN™ DF Software for Chatillon® Series Digital Force & Torque Gauges

Specification Sheet
SS-FM-3603-0805
August 2005

NEXYGEN DF software expands the functionality of your CHATILLON Series digital force gauge. This all-new and easy-to-use Windows® based package interfaces directly to your digital force gauge. You may perform break tests, limits tests and torque tests. You can download peak load results from the gauge and display your results in tabular and graphical formats. Graphical results include markers denoting exact point positions. Results can be color coded for immediate pass/fail recognition. You can easily specify units of measure, fonts, titles, force measurement resolution. The software provides basic force measurement tensile and compression test formats including pull to break, pull to limit, compress to rupture and compress to limit. Results are presented in a spreadsheet format so you can analyze and manipulate data and perform common mathematical and statistical calculations.

The software is easy to setup and features intelligent prompts, menus, combo boxes and other methods to get you up and running quickly and efficiently with minimal training. Navigation is simple using "drag & drop" and cut, copy and paste techniques. Data is easily exported to WORD®, EXCEL®, ACCESS®, POWERPOINT® or OUTLOOK®.

Features

- Simple to Setup and Operate
- Interface Directly to your Chatillon Digital Gauge
- Seamless Integration with WORD, EXCEL, ACCESS
- Graphical and Tabular Results
- Pre and Post-Test Analysis
- Mathematical Calculations including Statistics
- Pass - Fail Function
- ISO TickIT Accreditation

Test Functions

- Pull to Break
- Pull to Limit
- Compress to Rupture
- Compress to Limit
- Torque to Break
- Torque to Limit



Nexygen DF software may be used with the following Chatillon force gauges only.

- | | |
|----------------------------------------------------|----------------------------------------|
| <input type="checkbox"/> E-DFE Series | <input type="checkbox"/> DFIS Series |
| <input type="checkbox"/> DFS Series | <input type="checkbox"/> DFT Series |
| <input type="checkbox"/> DFS-R Series | <input type="checkbox"/> DFGS Series |
| <input type="checkbox"/> DFS-R-SLC Series (load) | <input type="checkbox"/> DFGS-R Series |
| <input type="checkbox"/> DFS-R-STC Series (torque) | <input type="checkbox"/> DFA Series |
| | <input type="checkbox"/> DFA-R Series |
| | <input type="checkbox"/> DTG Series |



You Get More with Your CHATILLON Gauge.



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Ordering

Order No.	Description
NC002867	NEXYGEN DF Application Software, Version 1.0, Single License

Test Function Descriptions

Pull to Break

This test will deform a sample until the sample breaks. The force required to break the sample and the deformation at which the break occurred are measured. Users may enter sample dimensions to record stress and strain.

Pull to Limit

This test is similar to the Pull To Break test, however, it is typically used when you are not expecting the sample to break. Instead, the test will deform the sample a specified amount, either with a specified force or to a specified deflection point.

Compress to Rupture

This test will deform a sample until the sample breaks. The force required to break the sample and the deformation at which the break occurred are measured. Users may enter sample dimensions to record stress and strain.

Compress to Limit

This test is similar to the Compress To Rupture test, however, it is typically used when you are not expecting the sample to rupture. Instead, the test will deform the sample a specified amount, either with a specified force or to a specified deflection point.

Torque to Break

This test will measure the torque required to break a sample. The torque required to break the sample and the direction of applied torque are recorded.

Torque to Limit

This test allows the user to apply and measure torque to a specified limit. Direction of torque is recorded.

Minimum System Requirements

Pentium Processor, 166 MHz
16 MB RAM
35 MB Hard Disk Space
1 Free COM Port, with 16550 UART
CD ROM Drive (for Installation)

Users should be provided Administrative Rights on the personal computer where the software will be installed.

TEST AND CALIBRATION INSTRUMENTS

For the authorized Chatillon Distributor or Manufacturer's Representative near you, go to www.chatillon.com

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Manufacturer