SODEMAT®

Activity of MATÉRIAU INGÉNIERIE

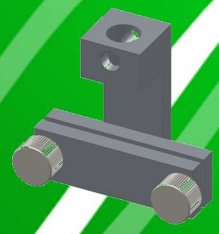
MADE IN FRANCE

EN 388

Tests on gloves

Dynatech i.5

Martindale



Vice grip single action

CoupTest 2011

Perforation

Type of tests:
Mechanical properties

Type of materials:
PPE

Standards:
EN 388

Introduction

EN 388 standard specifies the requirements, test methods, marking and information to be provided for protective gloves regarding mechanical damage by abrasion, blade cut, tear and puncture.

Test methods developed in the EN 388 standard may apply to headlines that are separated from the glove protective devices or clothing.

We propose measuring instruments and accessories necessary to perform tests according to EN 388.

This documentation is a summary of our offer adapted to EN 388: instruments, accessories and consumables documentation is available for each test instrument ■

Martindale - EN 388 : 6.1

Test of resistance to abrasion should be made with an abrasion-type Martindale.

Circular specimens of the material are subjected to abrasion (specific sandpaper) at a determined pressure (9 kPa) with a cyclic-shaped flat Lissajous figure, resulting in simple harmonic motions at right angles with respect to the other.

The abrasion resistance is given by the number of cycles required to obtain rupture of the specimen.

By breaking, it comprises a hole through the test piece. The device that we offer meets all the requirements of the EN 388 standard. Only specific abrasives.

Our solutions:

- Martindale 2 posts - Ref. S177-00
- Martindale 4 posts - Ref. S185-00
- Martindale 6 posts - Ref. S186-00
- Emery paper - Ref. S.177-17 ■

CoupTest - EN 388 : 6.2

The test pieces are cut, by means of an apparatus (CoupTest), with a circular blade moving with reciprocating motion (10 $cm.s^{-1}$) on a stroke of 100 mm under a force of 5 N.

The circular blade is rotated in the opposite direction of travel.

Our solutions:

We purpose CoupTest in 2 versions:

- CoupTest QC: version suitable for quality control tests, easy to use and the parameters are set and calibrated. Ref. S184-00.

- CoupTest XP: version for R&D laboratories where a PLC allows adjusting the speed and assists the user during the course of the test. Ref. S170-00.

We purpose consummables:

- Conductive rubbers (2+2) - Ref. S039-03
- Test circular blades (x5) - Ref. S039-02
- Test fabric (5 m^2) - Ref. S039-01 ■

Dynatech 1.5 - EN 388 : 6.3 & 6.4

Parts 6.3 and 6.4 of EN 388 require the use of a universal testing machine (we offer a single-column 5 kN).

Completely controlled by a dedicated software developed by our R & D, Dynatech 1.5 while being simple to use is robust and easily adaptable to all types of tests. Dynatech software enables rapid tests analysis .

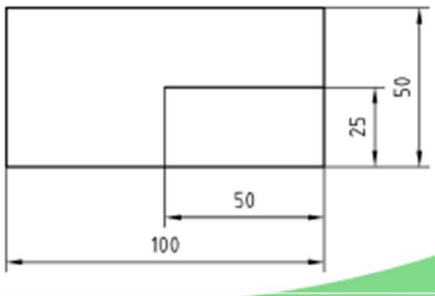
Our solutions:

- Dynatech 1.5 - Ref. M039-00

Many accessories available ■

Vice grip single action - EN 388 : 6.3

Part 6.1 asks to perform tests of tear propagation on a rectangular sample split on the half of its length. Requires the use of appropriate accessories on a universal testing machine*, the Dynatech 1.5 by example.

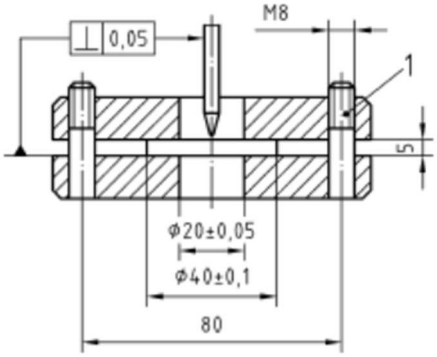


It is necessary to use a sensor with a range of 10 daN.

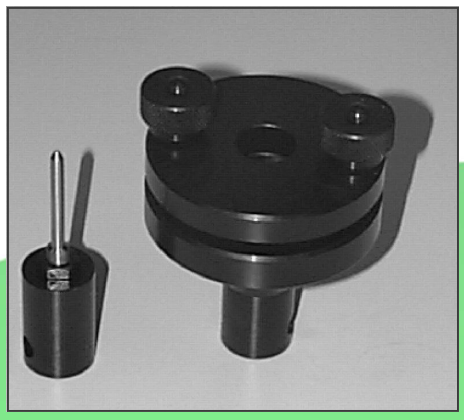
Our solutions:
- Vice grip single actions (x2) - Ref. M039-07.
- Shape template 100x50 mm with light tracing - Ref. M039-09.
- Dynatech 1.5 - Ref. M039-00.
- 10 daN force sensor with mechanical protection - Ref. M039-04 ■

Dynatech 1.5 - EN 388 : 6.4

This method also requires the use of a universal testing machine* as the Dynatech 1.5.



The puncture resistance is defined by the force exerted by a steel point defined dimensions for perforating a test specimen held in a sample holder device. It should not be confused with the sting carried out by the fine points or needles.



It is necessary to use a sensor with a maximum force of 50 daN. The tips are interchangeable to allow them to change periodically or when worn.

Our solutions :
- Jaws perforation (tip and ring clamp) - Ref. M039-08.
- Replacement tips (pack of 5) - Ref. M039-10.
- Dynatech 1.5 - Ref. M039-00.
- 50 daN force sensor with mechanical protection - Ref. M039-06.
- Sample cutter diameter 40 mm - Ref. M039-11 ■

(*) Our engineering department can customize at no extra cost (if minor modifications) our tooling to your universal testing machine. We then ask you to remove any uncertainty, we send one of your accessories such as mounting template ■

Features for information only, we reserve the right to change freely in order to improve the performance of our test unit.

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