

## SYRINGE AND FUNCTION TEST - COMPRESSION AND PLUNGER TEST (WITHDRAWAL AND DRAWING FORCE)

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**Reference Document:** ISO 7886 - 1 (2<sup>ND</sup> Edition, 2017).

**Test Method: Annex E**

Follow the setup and procedure outlined in this annex. Measure and note the forces required to initiate movement of the piston and sustain the travel of the piston. Carry out the testing on 10 syringes.

From the recording of plunger travel and force applied, the following should be determined:

1. Force required to initiate the movement of the plunger -  $F_s$  (Compression force).
2. Mean force during plunger travel -  $F$
3. Maximum force during the plunger travel -  $F_{\max}$

**NB: Attach a printout of the results of the test**

**Specifications:**

Given in Table E.1, Annex E, page 24 ISO 7886-1

**Observation: Summary of the results**

Average  $F_s$  : \_\_\_\_\_

Average  $F$  : \_\_\_\_\_

Average  $F_{\max}$  : \_\_\_\_\_

**Remarks:**

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