



QA Technology Company, Inc.

A p p l i c a t i o n s N o t e

Decreased Stroke Probe (-D Option)

050-T40, 075-40, 100-40, X39-40, X50-40 & X75-40 Series

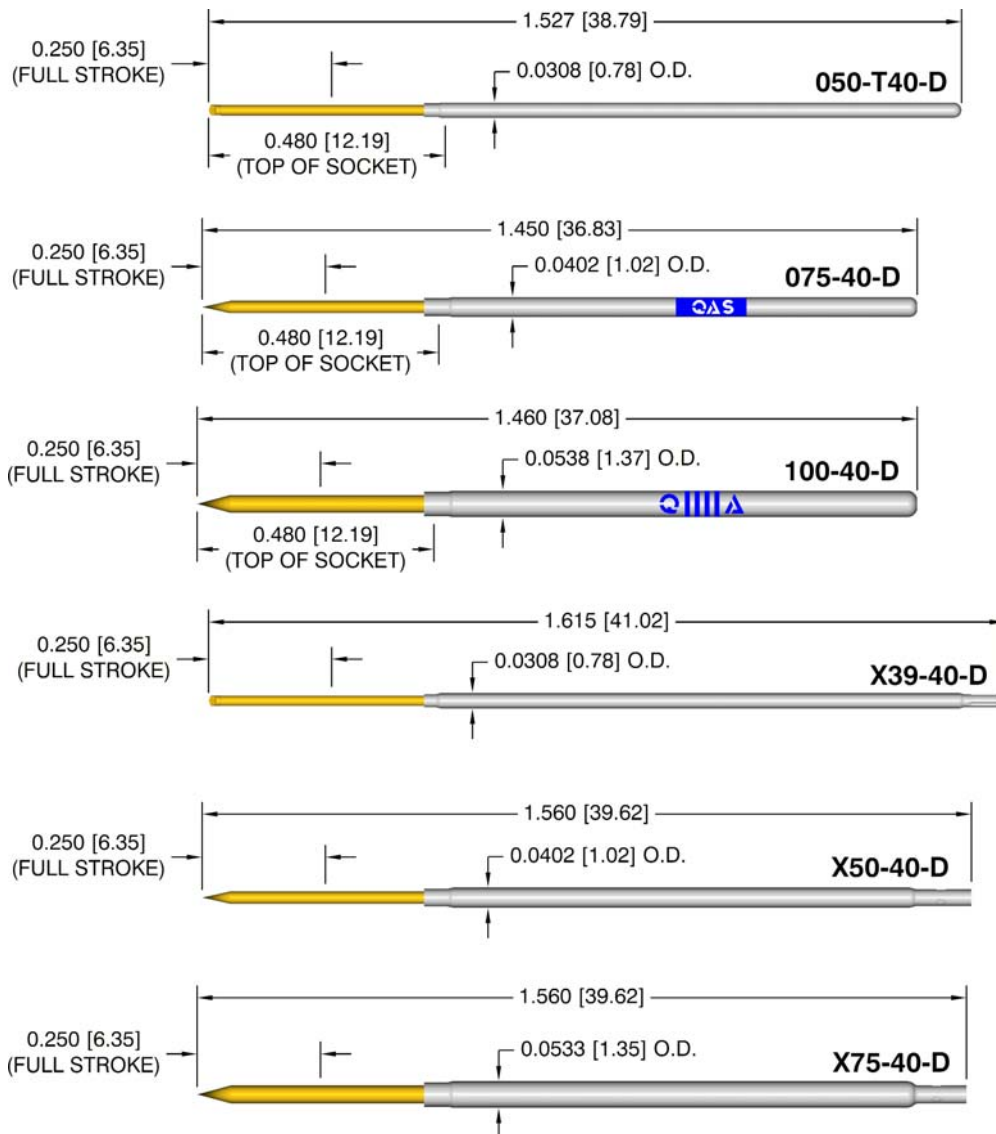
Document# ANQ059

Rev B

ECN# 3194

Page 1 of 3

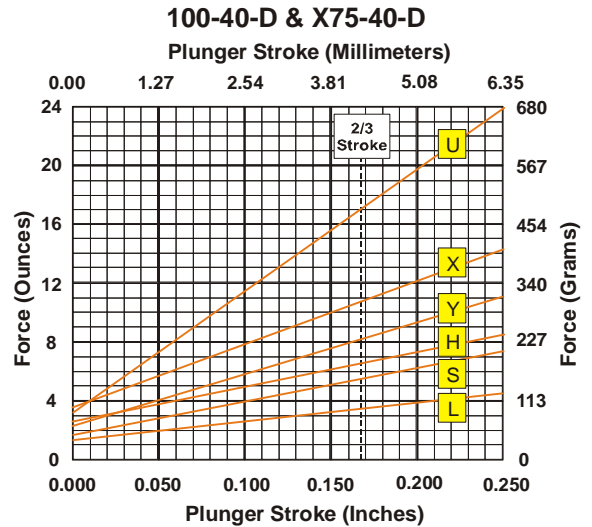
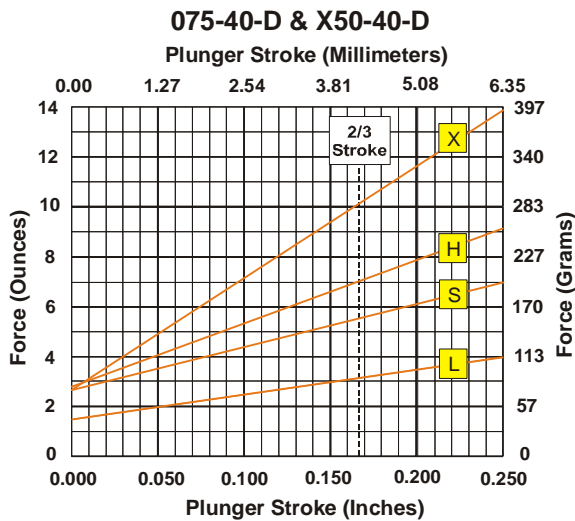
The decreased stroke (-D) option is designed for applications where a longer probe with a higher spring force is required.



The decreased stroke (-D) option is available in our 050-T40, 075-40, 100-40, X39-40, X50-40 & X75-40 Probe Series. The design combines standard .250" (6.35mm) stroke springs with .400" (10.16mm) stroke plungers and probe tubes. This produces a probe with the same overall length as the .400" (10.16mm) stroke series probes with a decreased full stroke of .250" (6.35mm). At the .250" (6.35mm) stroke the springs are fully compressed to solid height preventing further movement. These probes are typically used when contacting loaded boards where there is a big difference between the heights of pads and components.



Spring Specifications/Availability:

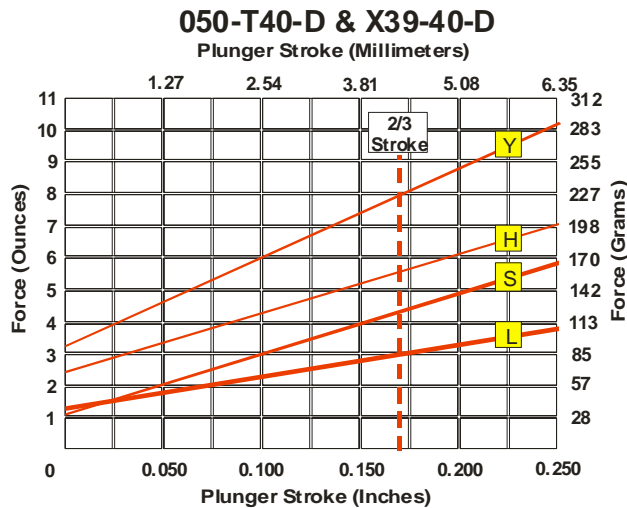


Mechanical life:

- L=1M cycles @ 0.167 [4.24mm] stroke
- S=1M cycles @ 0.167 [4.24mm] stroke
- H=1M cycles @ 0.167 [4.24mm] stroke
- X=100K cycles @ 0.167 [4.24mm] stroke

Mechanical life:

- L=1M cycles @ 0.250 [6.35mm] stroke
- S=1M cycles @ 0.250 [6.35mm] stroke
- H=1M cycles @ 0.250 [6.35mm] stroke
- Y=1M cycles @ 0.167 [4.24mm] stroke
- X=1M cycles @ 0.167 [4.24mm] stroke
- U=100K cycles @ 0.167 [4.24mm] stroke



Mechanical life:

- L=1M cycles @ 0.167 [4.24mm] stroke
- S=1M cycles @ 0.167 [4.24mm] stroke
- H=1M cycles @ 0.167 [4.24mm] stroke
- Y=25K cycles @ 0.167 [4.24mm] stroke

