



# Progressive Series

## Contact Probes for difficult conditions



For contacting lead free solder pads or very oxidized or contaminated PCBs FEINMETALL has developed a special probe series. Probes of this Progressive Series penetrate even viscous flux residues. Additionally, they are less sensitive for contaminations. These characteristics provide reliable contacts and a long life cycle.

For contacting OSP coated boards the very pointed tip style 32 in Progressive Series version is well established. This version reliably penetrates the coating and leads to good contacts and long life cycles.



### Three decisive advantages of the Progressive Series

#### 1. Aggressive tip style

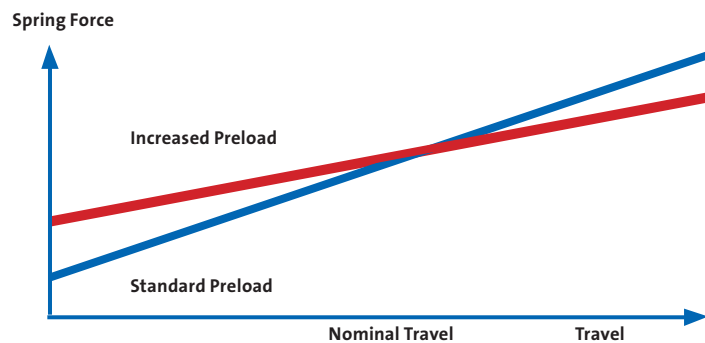
A specific FEINMETALL longitudinal grind, the concave geometry and ultra sharp edges lead to increased penetration at the contact surface.

#### 2. Functional coating

The new progressive functional coating is three times harder than standard coatings. It reduces the contamination of the contact tips and provides a remarkably longer life cycle of the probes, leading to an increased FPY (first pass yield).

#### 3. High Preload

A higher preload of the probes leads to an optimized force already at the beginning of the contacting process. This leads to a better penetration of contaminations. The force at the nominal travel is still the nominal force, so the overall load on the test item is not increased.



#### Progressive Series variants are available for the following probe types

Centers	Type	Application
50 mil	F050	ICT/FCT probe for 50mil centers
75 mil	F075	ICT/FCT probe for 75 mil centers
75 mil	F793	Long travel probe for F075
100 mil	F100	ICT/FCT probe for 100 mil centers
100 mil	F588	Long travel probe for F100
100 mil	F772	Robust ICT/FCT probe for 100 mil centers
100 mil	F786	Long travel probe for F772
125 mil	F563	ICT/FCT probe for strong mechanical load