

# ICT Series SIZE 100 .100 CENTERS

## BeCu PLUNGERS

|  |                                      |                   |
|--|--------------------------------------|-------------------|
|  | $.060$<br>(1,52)                     | <b>A</b><br>NEW   |
|  | $.060$<br>(1,52)                     | <b>H</b>          |
|  | $.068$<br>(1,73)<br>$.075$<br>(1,91) | <b>HSC</b><br>NEW |
|  | $.025$<br>(0,64)<br>$.036$<br>(0,91) | <b>JS</b><br>NEW  |
|  | $.036$<br>(0,91)                     | <b>S</b><br>NEW   |
|  | $.060$<br>(1,52)                     | <b>T</b>          |
|  | $.060$<br>(1,52)                     | <b>TX</b>         |

## STEEL PLUNGERS

|  |                                      |                   |
|--|--------------------------------------|-------------------|
|  | $.036$<br>(0,91)                     | <b>M</b><br>NEW   |
|  | $.055$<br>(1,40)                     | <b>NT</b>         |
|  | $.060$<br>(1,52)                     | <b>R</b><br>NEW   |
|  | $.036$<br>(0,91)                     | <b>S</b>          |
|  | $.036$<br>(0,91)                     | <b>SP</b>         |
|  | $.036$<br>(0,91)                     | <b>SPB</b>        |
|  | $.036$<br>(0,91)                     | <b>SW</b>         |
|  | $.036$<br>(0,91)                     | <b>SWS</b><br>NEW |
|  | $.036$<br>(0,91)                     | <b>U</b>          |
|  | $.020$<br>(0,51)<br>$.036$<br>(0,91) | <b>UR</b>         |

## PROBE SPECIFICATIONS

Minimum Centers: .100 (2,54)  
 Current Rating: 3 amps continuous  
 Spring Force: 3.5, 5.5, 6.7, 8.0, 10.0 or 17.0 oz. @ .170 (4,32) travel  
 Contact Resistance: <8 mΩ  
 Working Travel: .170 (4,32)

| Rated Force<br>oz (gms) | Preload<br>oz (gms) | Material |
|-------------------------|---------------------|----------|
| 3.5 (99)*               | 1.5 (43)            | SS       |
| 5.5 (156)               | 2.4 (68)            | MW       |
| 6.7 (190)               | 2.8 (80)            | SS       |
| 8.0 (227)               | 3.3 (94)            | MW       |
| 10.0 (283)              | 3.7 (105)           | MW       |
| 17.0 (483)              | 6.8 (193)           | MW       |

\* 3.5 ounce spring available in S-100 series only.

## RECEPTACLE SPECIFICATIONS

Connections:  
 R(X)25-CR: Crimp  
 R(X)25-SC: Solder Cup  
 R(X)25-WW: Wire Wrap,  
 .025 (0,64) square post,  
 .429 (10,90) or  
 .694 (17,63) length  
 R(X)25-RP: Round Post  
 .025 (0,64) diameter  
 .375 (9,53) length

**Recommended Wire:**  
 22-26 gage  
**Drill Size:** #50  
**Mounting Hole Size:**  
 .068/.070 (1,73/1,78)

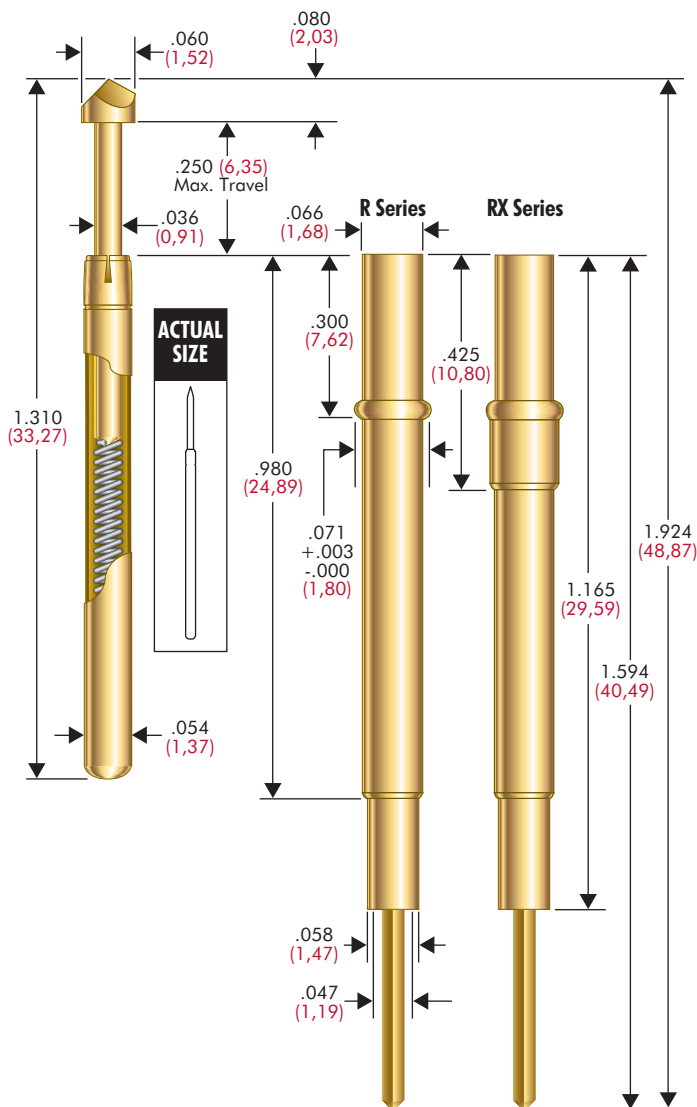
## MATERIALS

Barrel: G2  
 Spring: Music wire, nickel plated or stainless steel  
 Plunger: Full-hard beryllium copper or steel, gold plated over nickel  
 Receptacle: Standard: Nickel/silver, gold plated post. High Performance: Nickel/silver, gold plated; gold plated post

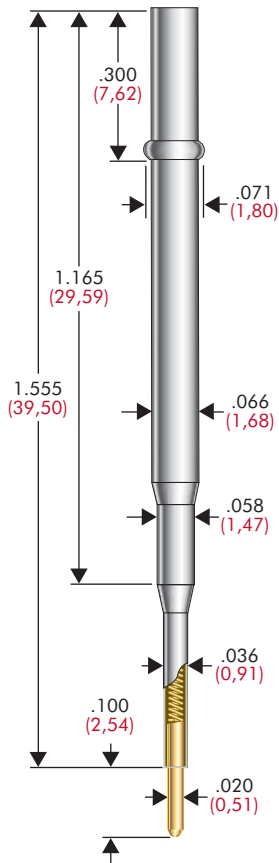
## STEEL PLUNGERS (Continued)

|  |                  |                   |
|--|------------------|-------------------|
|  | $.055$<br>(1,40) | <b>VLT</b><br>NEW |
|  | $.050$<br>(1,27) | <b>WO</b>         |
|  | $.055$<br>(1,40) | <b>Y</b>          |

## ICT 100 PROBE AND RECEPTACLE



## R-100-J-DE



For more information, see page 62.

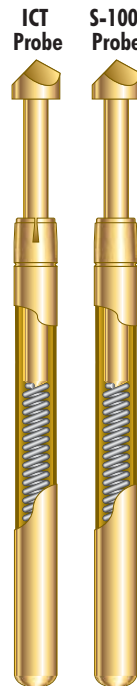
## Transitioning to the new S-100 Probe Series

**W**ith the publication of this seventh edition of our catalog, IDI will begin the process of transitioning our customers to the new 100 and 75 mil Probe Series. Two sizes are affected:

- Size S-25 probes (page 36) will now transition from our Series S-25 to the new Series S-100
- Size SL-1 probes (page 30) will now transition from our Series SL-1 to the new Series S-075
- Rotator probes are not included in the transition.

### Q: What is the S-100 probe?

A: These two new designs are simply the Titanium Pro ICT probe without the bifurcated beams. All of the components are identical, yet the barrel is not bifurcated or split during the manufacturing process. Customers who are not able to use the ICT probe due to rugged or low-force applications may thus still benefit from some elements of its design.



### Q: What is the benefit to IDI customers?

A: The S-100 series probes will outperform the S-25 or SX-25 series of probes. Because they share many of the attributes of the advanced ICT-100 probes, the S-100 probes have similar electrical characteristics, improved spring capacity and greater plunger strength.

### Q: What spring forces are offered?

A: The 3.5 ounce spring force offered on this page is only available in the S-100 series and not in the ICT-100 Series. Due to the wiping action, a spring force below 5 ounces in an ICT-100 probe has difficulty returning the plunger to the fully extended position.

### Q: How will the transition work?

- As our inventory of each S-25 tip style is exhausted, we will begin to offer that tip style in the S-100. This means that the transition will be occurring on a tip style by tip style basis.
- The S-100 series probes are only available after the plungers for the S-25 probes have been consumed. Check the IDI website, [www.idinet.com](http://www.idinet.com), for the latest information on tip style availability.

## HOW TO ORDER: SPRING CONTACT PROBE

## RECEPTACLE

**ICT**

SERIES

SERIES:  
ICT: High Performance  
S: Standard

**100**

SIZE

SPRING FORCE:  
3.5 oz. @ .170 (4,32) travel\*  
5.5 oz. @ .170 (4,32) travel  
6.7 oz. @ .170 (4,32) travel  
8.0 oz. @ .170 (4,32) travel  
10.0 oz. @ .170 (4,32) travel  
17.0 oz. @ .170 (4,32) travel  
\*S-100 Series only

**T**

TIP STYLE

**5.5**

SPRING FORCE

**G**

PLATING OPTION

**S**

STEEL PLUNGER OPTION

CRIMPING PLIERS: CP25  
INSERTION TOOL: RT25

**R**

SERIES

SERIES:  
R: High Performance  
RX: Improved Pointing Accuracy, High Performance  
RS: Standard  
RSX: Improved Pointing Accuracy, Standard

**25**

SIZE

**CR**

TERMINATION

TERMINATION:  
CR: Crimp  
SC: Solder Cup  
WW: Wire Wrap  
RP: Round Post

**429**

POST LENGTH

POST LENGTH:  
WW: 429 or 694  
RP: 375

View updates of this information at <http://www.idinet.com>

Specifications subject to change without notice. Dimensions in inches (millimeters)

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