

**Technical Data // Series 3012/2GS**

Switching Test Probe with Easy-Replacement System 138 mil / 3.5 mm - Switching Travel 1.7 mm

**HIGHLIGHTS**

Test Probe with switching function for cable harness test and presence verification

Easy-replacement system (replacement without soldering)

Version for large tip diameters

Variable extension height

Switching travel 1.7 mm (4.0 mm on request)

High soldering temperature up to 300°C

**MECHANICAL DATA**

Center	3.50 mm/138 mil
Temperature range	-30 °C - +120 °C
Full travel	4.20 mm
Working travel	4.00 mm
Switching travel	1.70 mm
Pre-loaded spring force	0.12/ 0.25/ 0.30/ 0.50/ 0.40/ 0.60/ 1.80/ 1.40/ 1.70/ 2.00/ 2.70/ 2.00/ 5.00/ 4.00 N
Spring force at working travel	0.75/ 1.25/ 1.80/ 2.00/ 2.30/ 3.50/ 6.50/ 7.00/ 8.50/ 9.00/ 9.50/ 10.00/ 12.50/ 13.00 N
Spring force at switching travel	0.20/ 0.45/ 0.75/ 0.95/ 1.00/ 1.60/ 3.60/ 3.60/ 4.40/ 4.80/ 5.40/ 5.20/ 8.00/ 7.60 N

**ELECTRICAL DATA****Receptacle-Plunger**

Max. current rating	5.0 A
Typical continuity resistance	<= 15 mOhm

**Pin-Plunger**

Max. current rating	1.0 A
Typical continuity resistance	<= 50 mOhm
Typical insulating voltage	1000 V

**MATERIALS**

Barrel	Brass, gold-plated
Spring	Spring Steel, gold-plated
Plunger	Steel, CuBe
Receptacle	Brass, gold-plated

**RECOMMENDED DIAMETER OF DRILL****H 3011/GWR5 (/R /RK)**

HP 2361.1 (trolitax)	3.02 mm
HGW 2372 (glass filled material)	3.04 mm

**H 3011/K (/5K)**

HP 2361.1 (trolitax)	3.01 mm
HGW 2372 (glass filled material)	3.02 mm

**AVAILABLE SCREW TOOLS**

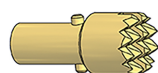
Article Designation	max. Tip Diameter
WFSB 3012/G-S1.8	alle
WFSB 3012/G-4.0-2.6	2.6



# Technical Data // Series 3012/2GS

Switching Test Probe with Easy-Replacement System 138 mil / 3.5 mm - Switching Travel 1.7 mm

## TIP STYLE - DIAMETER - PLATING



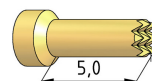
**C**  
3.00C Au  
4.00C Au



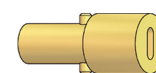
**CK**  
2.27C Au



**CL**  
2.30C Au  
3.00C Au



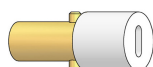
**C5**  
1.00 Au



**F**  
3.00C Au  
3.50C Au  
4.00C Au  
4.50C Au  
5.00C Au  
5.50C Au 5.90 C Au



**FL**  
3.00C Au  
3.50C Au  
4.00C Au  
4.50C Au



**F1**  
2.30 HTK  
3.00 HTK  
3.50 HTK  
4.00 HTK  
4.50 HTK  
5.00 HTK 5.50 HTK  
5.90 HTK

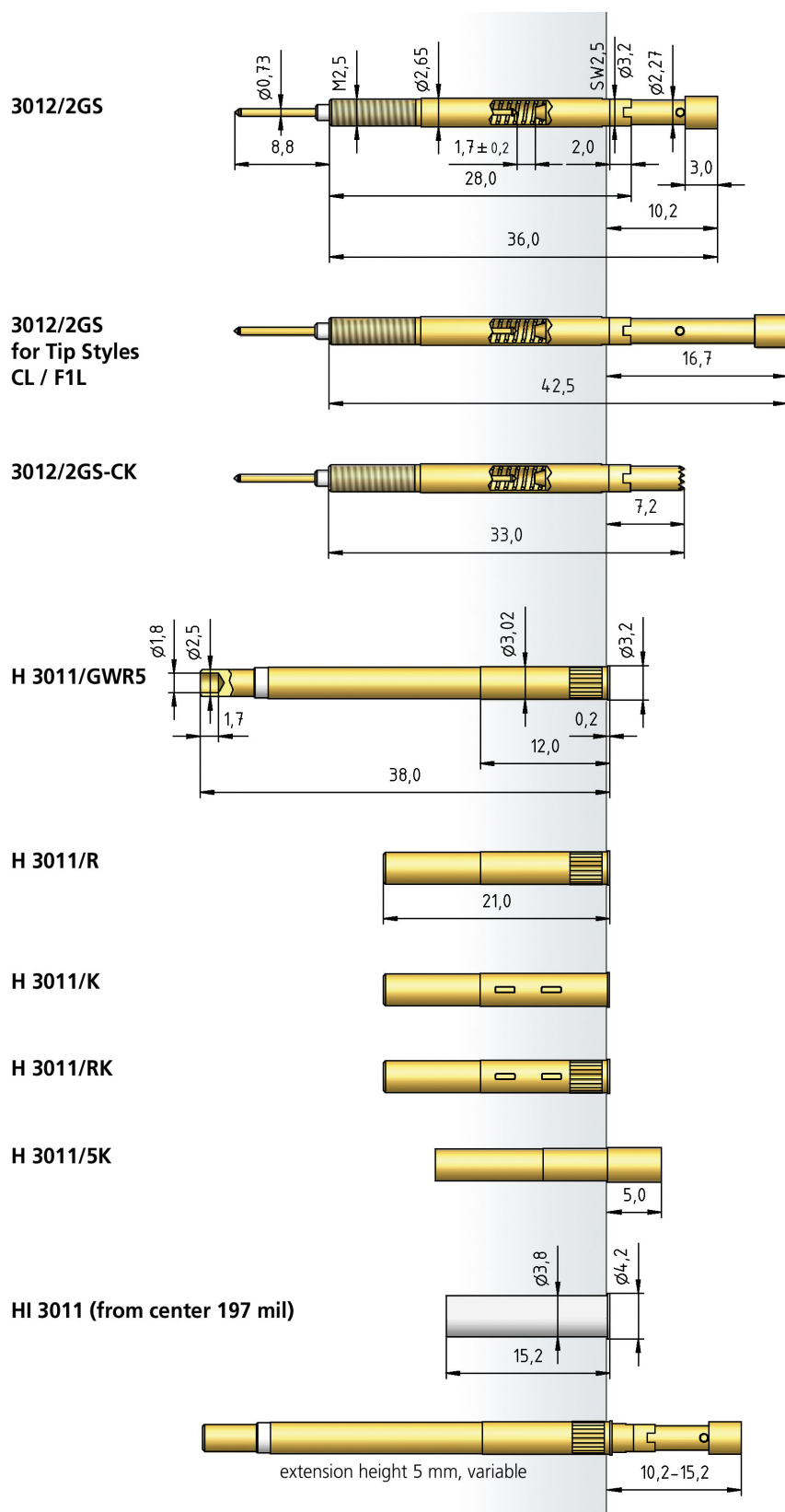


**F1L**  
3.00 HTK  
3.50 HTK  
4.00 HTK  
4.50 HTK  
5.00 HTK  
5.50 HTK 5.90 HTK



**Technical Data // Series 3012/2GS**

Switching Test Probe with Easy-Replacement System 138 mil / 3.5 mm - Switching Travel 1.7 mm





**PTR HARTMANN**

A Phoenix Mecano Company

## Technical Data // Series 3012/2GS

Switching Test Probe with Easy-Replacement System 138 mil / 3.5 mm - Switching Travel 1.7 mm

### HOW TO ORDER

<u>3012/</u>	<u>2</u>	<u>G</u>	<u>S</u>	-	<u>F</u>	-	<u>1.8 N</u>	-	<u>Au</u>	-	<u>3.0</u>	<u>C</u>
<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>		<u>5</u>		<u>6</u>		<u>7</u>		<u>8</u>	<u>9</u>

- 1. Series 2. Collar Height 3. Threaded Design
- 4. Plug-in Connector 5. Tip Style 6. Spring Force
- 7. Tip Plating 8. Tip Diameter 9. Tip Material (only for CuBe)