

# Series 3012/2GS

- 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/ 0.40/ 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/ 2.30/ 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/ 1.00/ 1.60/ 3.60/ 3.60/ 4.40/ 4.80/ 5.40/ 5.20/ 8.00/ 7.60 N

Electrical Data	
<b>Receptacle-Plunger</b>	
Max. Current Rating	5.0 A
Typical Continuity Resistance	<= 15 mOhm
<b>Pin-Plunger</b>	
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	
<b>H 3011/GWR5 (/R /RK)</b>	
HP 2361.1 (Trolitax)	3.02 mm
HGW 2372	3.04 mm
<b>H 3011/K (/5K)</b>	
HP 2361.1 (Trolitax)	3.01 mm
HGW 2372	3.02 mm

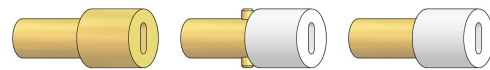
Available Screw Tools	
Article Designation	max. Tip Diameter

How to Order	
3012/	2 G S - F - 1.8 N - Au - 3.0 C
1	2 3 4 5 6 7 8 9
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)

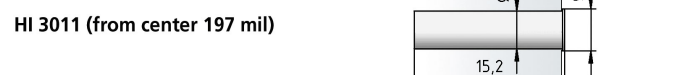
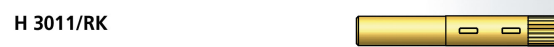
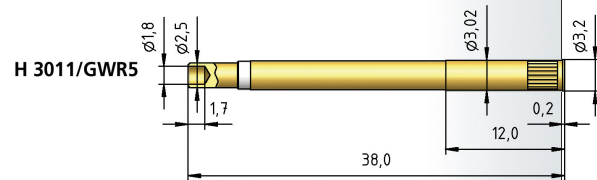
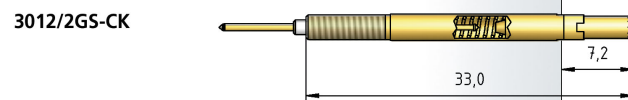
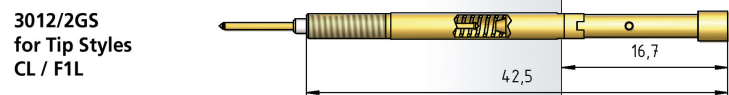
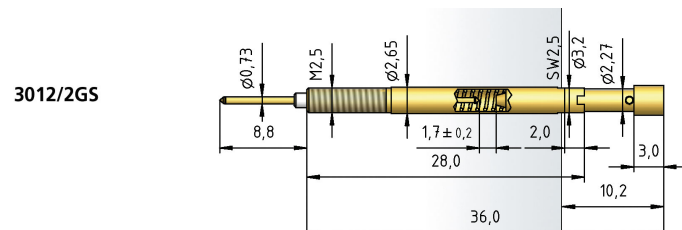
## Tip style - Diameter - Plating



C	CK	CL	C5	F
3.00C Au 4.00C Au	2.27C Au	2.30C Au 3.00C Au	1.00 Au	3.00C Au 3.50C Au 4.00C Au 4.50C Au 5.00C Au 5.50C Au 5.90 C Au



FL	F1	F1L
3.00C Au 3.50C Au 4.00C Au 4.50C Au	2.30 HTK 3.00 HTK 3.50 HTK 4.00 HTK 4.50 HTK 5.00 HTK 5.50 HTK 5.90 HTK	3.00 HTK 3.50 HTK 4.00 HTK 4.50 HTK 5.00 HTK 5.50 HTK 5.90 HTK



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Spring Force at Switching Travel	0.25/ 0.75/ 1.30/ 1.80/ 3.00/ 6.50/ 7.00/ 8.00/ 8.50/ 9.00/ 9.50/ 12.00/ 12.50 N

Electrical Data	
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<b>Pin-Plunger</b>	
Max. Current Rating	1.0 A
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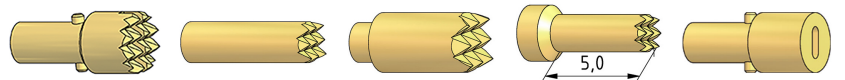
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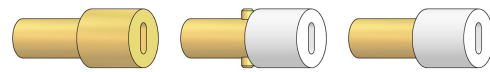
Available Screw Tools	
Article Designation	max. Tip Diameter

How to Order	
<b>3012/ 2 G S - F - 1.8 N - Au - 3.0 C /SH4.0</b>	
<b>1</b>	<b>2 3 4 5 6 7 8 9 10</b>
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)	10. Switching Travel

## Tip style - Diameter - Plating



C	CK	CL	C5	F
3.00C Au 4.00C Au	2.27C Au	2.30C Au 3.00C Au	1.00 Au	3.00C Au 3.50C Au 4.00C Au 4.50C Au 5.00C Au 5.50C Au 5.90 C Au



FL	F1	F1L
3.00C Au 3.50C Au 4.00C Au 4.50C Au	2.30 HTK 3.00 HTK 3.50 HTK 4.00 HTK 4.50 HTK 5.00 HTK 5.50 HTK 5.90 HTK	3.00 HTK 3.50 HTK 4.00 HTK 4.50 HTK 5.00 HTK 5.50 HTK 5.90 HTK

