

**Technical Data // Series 3023/2GS**

Switching Test Probe with Easy-Replacement System 100 mil / 2.54 mm

HIGHLIGHTS

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

Easy-replacement system (replacement without soldering)

Variable extension height

High soldering temperature up to 300°C

MECHANICAL DATA

Center	2.54 mm/100 mil
Temperature range	-30 °C - +120 °C
Full travel	5.00 mm
Working travel	4.00 mm
Switching travel	1.50 mm
Pre-loaded spring force	0.12/ 0.30/ 0.40/ 0.80/ 0.80/ 1.40 N
Spring force at working travel	0.85/ 1.35/ 2.00/ 3.00/ 3.50/ 6.50 N
Spring force at switching travel	0.20/ 0.50/ 0.80/ 1.45/ 1.60/ 3.10 N

ELECTRICAL DATA**Receptacle-Plunger**

Max. current rating	3.0 A
Typical continuity resistance	<= 20 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
Receptacle	Brass, gold-plated

RECOMMENDED DIAMETER OF DRILL

HP 2361.1 (trolitax)	2.00 mm
HGW 2372 (glass filled material)	2.01 mm

AVAILABLE SCREW TOOLS

Article Designation	max. Tip Diameter
WFSB 1021/G-2.54-1.8	1.8
WFSB 1021/G-2.54-2.0	2.0
WFSB 1021/G-3.5-3.0-Z	3.0
WFSB 1021/G-C2S-3.0-2.5-Z	2.5



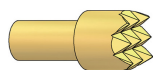
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TIP STYLE - DIAMETER - PLATING



A
1.80 Au



C
1.00 Au
1.30 Au
1.50 Au
1.80 Au
2.00 Au
2.30 Au



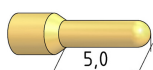
CL
1.00 Au
1.40 Au
1.80 Au



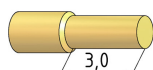
D
1.00 Au



DL
1.00 Au



D1
0.64 Au



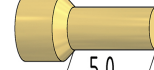
F
0.64 Au



F
0.70 Au
0.80 Au
1.00 Au



F
1.80 Au



F1
0.60 Au



F1
1.80 Au/HTK
2.30 Au/HTK

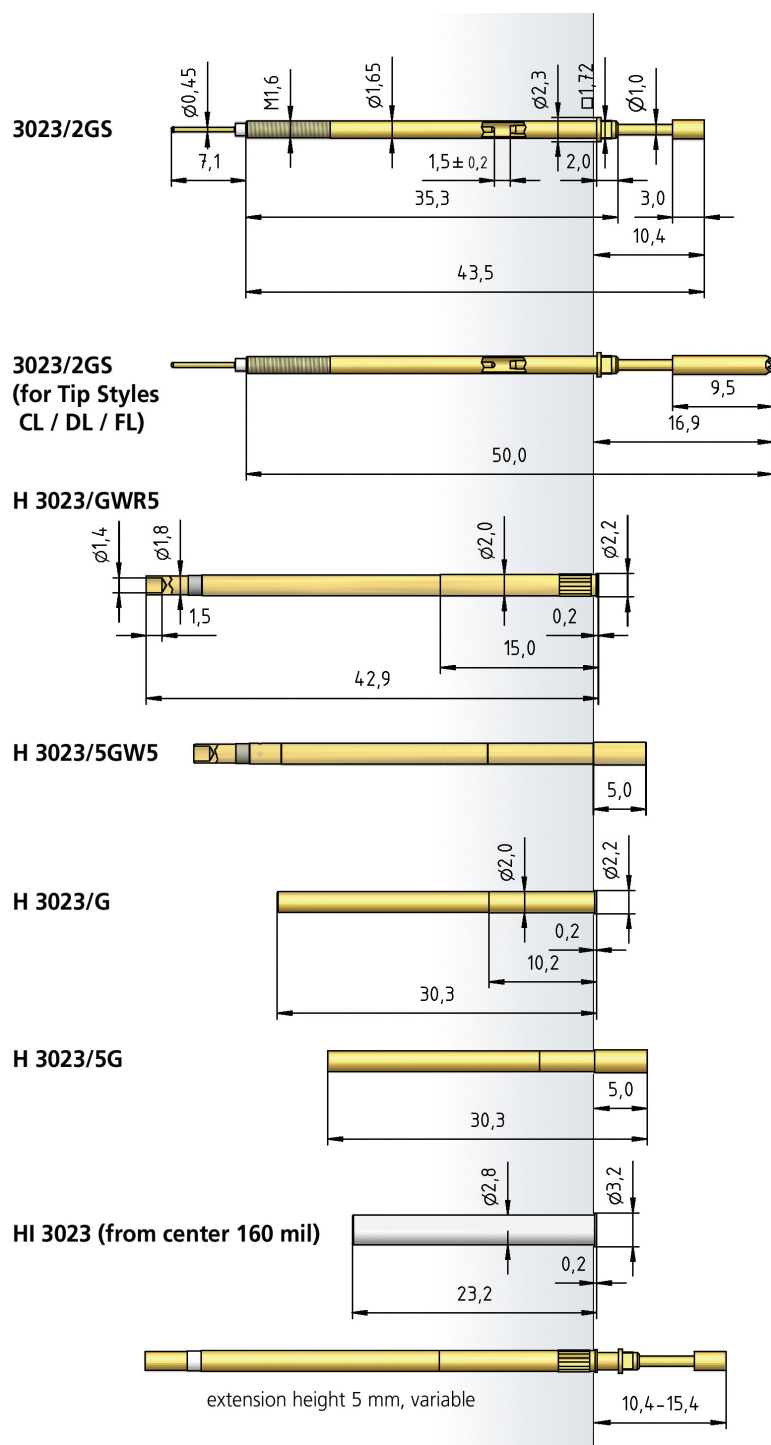


FL
1.00 Au



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PTR HARTMANN

A Phoenix Mecano Company

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HOW TO ORDER

3023/ 2 G S - F - 3.5 N - Au - 1.8

1 2 3 4 5 6 7 8

- 1. Series 2. Collar Height 3. Threaded Design
- 4. Plug-in Connector 5. Tip Style 6. Spring Force
- 7. Tip Plating 8. Tip Diameter