

Series	Center	Page
1021 • 1021/G	100 mil / 2.54 mm	137
1060 • 1060/G	160 mil / 4.00 mm	138
1075 • 1075/G	197 mil / 5.00 mm	139

High-Current Test Probes

High-Current Test Probes are used when higher currents are involved. Thanks to their compact design, these series are available for centers of 2.54 mm to 5.0 mm with a large number of different tip styles. Alternatively, all series are available in a threaded type which ensures an excellent fit in the receptacle.

Based on PTR's standard sizes, the high-current types are fitted with a split plunger. During contacting, both parts of the plunger are pressed against each other and, as a result, against the barrel wall. The resulting increased contact with the barrel wall and the overall greater contact surface mean that the test probe can be subjected to higher currents, depending on the series, of 16 A to 50 A. High-Current Test Probes can be used even when very low and constant resistance values are required.



Series 1021 • 1021/G

- For use in burn-in and run-in test
- Transmission of high currents
- Low contact resistance

Mechanical Data

Center	2.54 mm / 100 mil
Full Travel	5.30 mm
Working Travel	4.00 mm
Pre-Loaded Spring Force	0.70 N
Spring Force at Working Travel	3.00 N

Electrical Data

Max. Current Rating	16.0 A
Typical Continuity Resistance	≤ 10 mOhm

Materials

Barrel	Brass, gold plated
Spring	Spring Steel, gold plated
Plunger	CuBe, gold plated / Silver Cap
Receptacle	Brass, gold plated

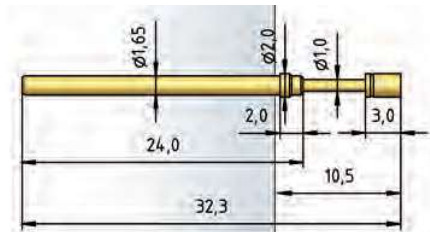
Recommended Diameter of Drill

H1021 L	
HP 2361.1 (Trolitax)	1.98...2.00 mm
HGW 2372 (Glass filled Material)	1.98...2.01 mm
H1021(5)GR(V)-C(L)	
HP 2361.1 (Trolitax)	2.00 mm
HGW 2372 (Glass filled Material)	2.03 mm

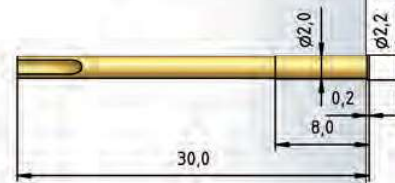
Tip Style • Diameter • Plating

AX	A6X	BX	CX	DX
2.00C Au	2.00C Au	1.00C Au	1.30C Au 1.80C Au 2.00C Au 3.00C Au	0.80C Au 1.00C Au
D3X	EX	FX	HX	KX
2.00C Ag	1.80C Au	1.00C Au	1.10C Au 1.40C Au 1.70C Au	1.25C Au 1.75C Au

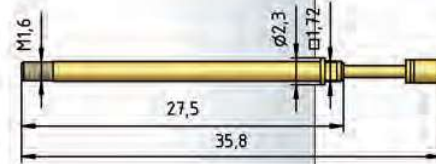
1021...X



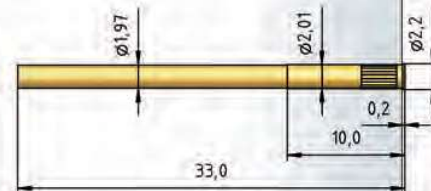
H 1021 L



1021/G...X



H 1021/GR-C



H 1021/GR-L



H 1021/GRV-L



H 1021/5GRV-L



This receptacle is sealed vacuum-tight when a wire is soldered on.
Important:
If too much solder is used there is a risk that it will get into the thread.

How to Order

1021/G - CX - 3.0 N - Au - 2.0 C
1 2 3 4 5 6 7

1. Series 2. Threaded Design 3. Tip Style 4. Spring Force 5. Tip Plating
6. Tip Diameter 7. Tip Material (only for CuBe)

Series 1060 • 1060/G

- For use in burn-in and run-in test
- Transmission of high currents
- Low contact resistance

Mechanical Data

Center	4.00 mm / 160 mil
Full Travel	5.50 mm
Working Travel	4.40 mm
Pre-Loaded Spring Force	0.80 N
Spring Force at Working Travel	3.00 N

Electrical Data

Max. Current Rating	24.0 A
Typical Continuity Resistance	≤ 10 mOhm

Materials

Barrel	Brass, gold plated
Spring	Spring Steel, gold plated
Plunger	CuBe, gold plated / Silver Cap
Receptacle	Brass, gold plated

Recommended Diameter of Drill

H 1050 L, H 1060/G-L

HP 2361.1 (Trolitax)	2.99...3.00 mm
HGW 2372 (Glass filled Material)	3.00 mm

H 1060/GRV-L

HP 2361.1 (Trolitax)	3.00 mm
HGW 2372 (Glass filled Material)	3.01 mm

Tip Style · Diameter · Plating



AX	A6X	BAX	CX	DX
3.00C Au	3.00C Au	1.80C Au	2.30C Au 3.00C Au 4.00C Au	2.30C Au 3.00C Au

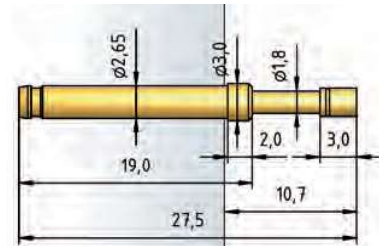


DX	DX1	D3X	FX	GX
1.00C Au 1.40C Au	3.00C Au	3.00C Ag	2.30C Au 4.00C Au 6.00C Au	2.50C Au

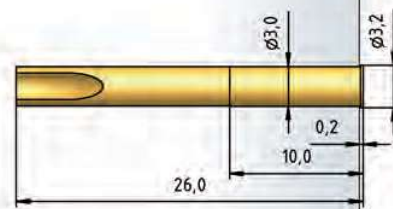


HX	H1X	KX
1.80C Au	1.30C Au	3.00C Au

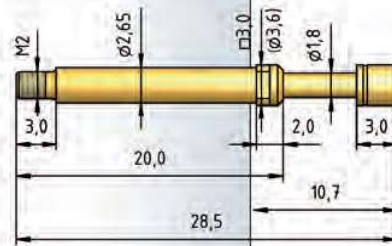
1060...X



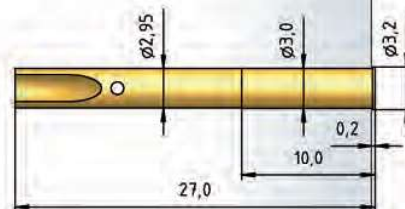
H 1050 L



1060/G...X



H 1060/G-L



H 1060/GRV-L



This receptacle is sealed vacuum-tight when a wire is soldered on.
Important:
If too much solder is used there is a risk that it will get into the tread.

How to Order

1060/G - FX - 3.0 N - Au - 4.0 C
1 2 3 4 5 6 7

1. Series
2. Threaded Design
3. Tip Style
4. Spring Force
5. Tip Plating
6. Tip Diameter
7. Tip Material (only for CuBe)

Series 1075 • 1075/G

- For use in burn-in and run-in test
- Transmission of high currents
- Low contact resistance

Mechanical Data

Center	5.00 mm / 197 mil
Full Travel	5.50 mm (CLX: 10.00 mm) (CL1X: 8.50 mm)
Working Travel	4.40 mm (CLX: 8.00 mm) (CL1X: 7.40 mm)
Pre-Loaded Spring Force	0.80/ 1.00/ 1.50/ 1.50/ 2.50 N
Spring Force at Working Travel	3.00/ 3.00/ 3.00/ 5.00/ 10.00 N

Electrical Data

Max. Current Rating	50.0 A
Typical Continuity Resistance	≤ 5 mOhm

Materials

Barrel	Brass, gold plated
Spring	Stainless Steel, silver plated
Plunger	CuBe, gold plated / Silver Cap
Receptacle	Brass, gold plated

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	3.98...3.99 mm
HGW 2372 (Glass filled Material)	3.99...4.00 mm

Tip Style · Diameter · Plating

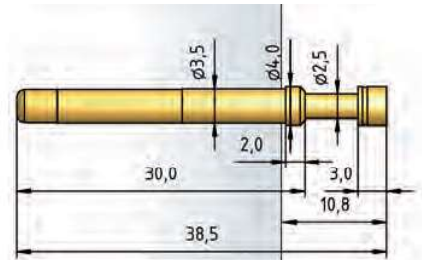


AX	A6X	CLX	CL1X	CX
4.00C Au	3.00C Au	4.00C Au	3.00C Au 4.00C Au 5.00C Au	3.00C Au 4.00C Au



DNX	FX	KX
4.00C Ag	4.00C Au	3.00C Au

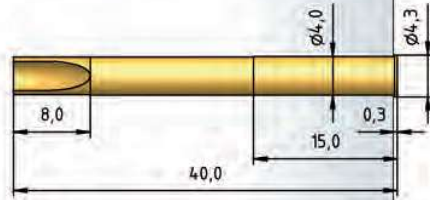
1075...X



1075...LX



H 1075 L



1075/G...X



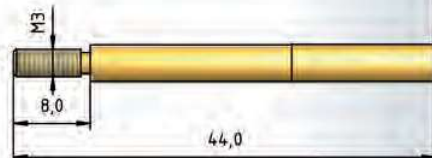
1075/G...LX



H 1075/G-L



H 1075/G-M3



How to Order

1075/G - FX - 3.0 N - Au - 4.0 C
 1 2 3 4 5 6 7

1. Series 2. Threaded Design 3. Tip Style 4. Spring Force 5. Tip Plating
 6. Tip Diameter 7. Tip Material (only for CuBe)