Technical Data // Series 1021/G

PTR HARTMANN
A Phoenix Mecano Company

Step Probe 100 mil / 2.54 mm

HIGHLIGHTS		
Test probe for cable harness testing		
Test probe geometry for position test		
All designs available with collar height 5.0 mm		
Screwable - threaded design - against the creeping out of the Test Probe out of the receptacle		
MECHANICAL DATA		
Center	2.54 mm/100 mil	
Full travel	5.30 mm	
Working travel	4.00 mm	
Pre-loaded spring force	0.30/ 0.40/ 0.50/ 0.70/ 0.70/ 1.00/ 1.00 N	
Spring force at working travel	0.70/ 1.00/ 1.50/ 2.25/ 2.50/ 3.00/ 5.00 N	
Temperature range	-30 °C - +120 °C	
ELECTRICAL DATA		
Max. current rating	5.0...8.0 A	
Typical continuity resistance	<= 25 mOhm	
MATERIALS		
Barrel	Brass, gold-plated	
Spring	Spring Steel, Stainless Steel, gold-plated	
Plunger	Steel, gold-plated	
Receptacle	Brass, gold-plated	
Stranded wire AWG 20 (Black)	Copper, tin-plated, insulated	
RECOMMENDED DIAMETER OF DRILL		
HP 2361.1 / EP CP 201 (trolitax)	2.00 mm	
HGW 2372 (glass filled material)	2.03 mm	
HIGH-TEMPERATURE APPLICATIONS		
Temperature range	-40 °C - +250 °C	
Pre-loaded spring force	0.50/ 0.70/ 1.00 N	
Spring force at working travel (order index E)	1.50/ 2.25/ 3.00 N	
AVAILABLE SCREW TOOLS		
Article Designation	max. Tip Diameter	max. Plate Diameter
WFSB 1021/G-2.54-1.8	1.8	1.8
WFSB 1021/G-2.54-2.0	2.0	2.0
WFSB 1021/G-C2S-3.0-2.5-Z	2.5	2.5
WFSB 1021/G-3.5-3.0-Z	3.0	3.0
WFSB 1021/G-2.54-1.5-SW	1.5	2.3
WFSB 1021/G-3.0-1.5-SW	1.5	3.5

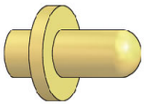
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TIP STYLE - DIAMETER - PLATING

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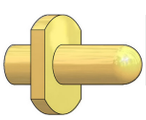
Step Probe 100 mil / 2.54 mm



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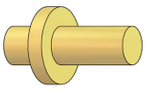
Tip Style	Tip-Ø [mm] A	Plate-Ø [mm] B	Tip Length [mm] C	Overall Length [mm] D	Installation height [mm] E	Screw Tool
D0615	0.65	1.80	1.50	34.80	9.50	WFSB 1021/G-2.54-1.8
D0620	0.65	1.80	2.00	35.30	10.00	WFSB 1021/G-2.54-1.8
D0630	0.65	1.80	3.00	36.30	11.00	WFSB 1021/G-2.54-1.8
D0635	0.65	1.80	3.50	36.80	11.50	WFSB 1021/G-2.54-1.8
D0640	0.65	1.80	4.00	37.30	12.00	WFSB 1021/G-2.54-1.8
D0645	0.65	1.80	4.50	37.80	12.50	WFSB 1021/G-2.54-1.8
D0650	0.65	1.80	5.00	38.30	13.00	WFSB 1021/G-2.54-1.8
D0815	0.80	1.80	1.50	34.80	9.50	WFSB 1021/G-2.54-1.8
D08125	0.80	1.80	1.25	34.55	9.05	WFSB 1021/G-2.54-1.8
D08175	0.80	1.80	1.75	35.05	9.55	WFSB 1021/G-2.54-1.8
D0820	0.80	1.80	2.00	35.30	10.00	WFSB 1021/G-2.54-1.8
D08225	0.80	1.80	2.25	35.55	10.05	WFSB 1021/G-2.54-1.8
D0825	0.80	1.80	2.50	35.80	10.50	WFSB 1021/G-2.54-1.8
D08275	0.80	1.80	2.75	36.05	10.55	WFSB 1021/G-2.54-1.8
D0830	0.80	1.80	3.00	36.30	11.00	WFSB 1021/G-2.54-1.8
D08325	0.80	1.80	3.25	36.55	11.05	WFSB 1021/G-2.54-1.8
D0835	0.80	1.80	3.50	36.80	11.50	WFSB 1021/G-2.54-1.8
D08375	0.80	1.80	3.75	37.05	11.55	WFSB 1021/G-2.54-1.8
D0840	0.80	1.80	4.00	37.30	12.00	WFSB 1021/G-2.54-1.8
D0845	0.80	1.80	4.50	37.80	12.50	WFSB 1021/G-2.54-1.8
D0850	0.80	1.80	5.00	38.30	13.00	WFSB 1021/G-2.54-1.8
D1005	0.80	2.50	2.80	36.10	10.80	WFSB 1021/G-CS2-3.0-2.5-Z
D1007	1.00	2.50	2.60	35.90	10.60	WFSB 1021/G-CS2-3.0-2.5-Z
D1010	0.80	2.50	4.60	37.90	12.60	WFSB 1021/G-CS2-3.0-2.5-Z
D1011	0.80	1.95	2.80	36.10	10.80	WFSB 1021/G-2.54-2.0
D1012	0.65	3.00	3.40	36.70	11.40	WFSB 1021/G-3.5-3.0-Z
D1013	0.65	1.80	2.50	35.80	10.50	WFSB 1021/G-2.54-1.8
D1014	0.80	2.50	4.00	37.30	12.00	WFSB 1021/G-CS2-3.0-2.5-Z
D1015	0.80	2.30	3.20	36.50	11.20	WFSB 1021/G-CS2-3.0-2.5-Z
D1018	0.65	1.50	5.00	38.30	13.00	WFSB 1021/G-2.54-1.8
D1019	1.00	1.80	2.00	35.30	10.00	WFSB 1021/G-2.54-1.8
D1020	0.65	1.80	3.60	36.90	11.60	WFSB 1021/G-2.54-1.8
D1024	0.65	1.50	4.30	37.60	12.30	WFSB 1021/G-2.54-1.8
D1071	0.65	1.70	3.60	36.90	11.10	WFSB 1021/G-2.54-1.8
D7017	0.65	1.50	2.70	36.00	10.70	WFSB 1021/G-2.54-1.8
D07530	0.75	2.00	3.00	36.30	10.80	WFSB 1021/G-2.54-2.0
D07535	0.75	2.00	3.50	36.80	11.30	WFSB 1021/G-2.54-2.0
D07540	0.75	2.00	4.00	37.30	11.80	WFSB 1021/G-2.54-2.0
D07545	0.75	2.00	4.50	37.80	12.30	WFSB 1021/G-2.54-2.0
D07550	0.75	2.00	5.00	38.30	12.80	WFSB 1021/G-2.54-2.0
D07555	0.75	2.00	5.50	38.80	13.30	WFSB 1021/G-2.54-2.0
D07560	0.75	2.00	6.00	39.30	13.80	WFSB 1021/G-2.54-2.0
D07565	0.75	2.00	6.50	39.80	14.30	WFSB 1021/G-2.54-2.0
D07570	0.75	2.00	5.00	40.30	14.80	WFSB 1021/G-2.54-2.0
D07575	0.75	2.00	7.50	40.80	15.30	WFSB 1021/G-2.54-2.0



Dx9xx

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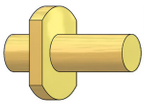
Tip Style	Tip-Ø [mm] A	Plate-Ø [mm] B	Tip Length [mm] C	Overall Length [mm] D	Installation height [mm] E	Screw Tool
D1906	0.80	3.50	3.20	36.50	11.20	WFSB 1021/G-3.0-1.5-SW
D1907	1.00	2.50	2.60	35.90	10.60	WFSB 1021/G-3.0-1.5-SW
D1910	0.80	2.50	4.60	37.90	12.60	WFSB 1021/G-3.0-1.5-SW
D1914	0.80	2.50	4.00	37.30	12.00	WFSB 1021/G-3.0-1.5-SW
D1915	0.80	2.30	3.20	36.50	11.20	WFSB 1021/G-2.54-1.5-SW



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Tip Style	Tip-Ø [mm] A	Plate-Ø [mm] B	Tip Length [mm] C	Overall Length [mm] D	Installation height [mm] E	Screw Tool
F00125	1.00	1.80	1.25	34.55	9.05	WFSB 1021/G-2.54-1.8
F0015	1.00	1.80	1.50	34.80	9.50	WFSB 1021/G-2.54-1.8
F0020	1.00	1.80	2.00	35.30	10.00	WFSB 1021/G-2.54-1.8
F0025	1.00	1.80	2.50	35.80	10.50	WFSB 1021/G-2.54-1.8
F0030	1.00	1.80	3.00	36.30	11.00	WFSB 1021/G-2.54-1.8
F0035	1.00	1.80	3.50	36.80	11.50	WFSB 1021/G-2.54-1.8
F0040	1.00	1.80	4.00	37.30	12.00	WFSB 1021/G-2.54-1.8
F0045	1.00	1.80	4.50	37.80	12.50	WFSB 1021/G-2.54-1.8
F0050	1.00	1.80	5.00	38.30	13.00	WFSB 1021/G-2.54-1.8
F1001	1.30	2.50	3.00	36.30	11.00	WFSB 1021/G-CS2-3.0-2.5-Z
F1008	1.00	2.30	3.30	36.60	11.30	WFSB 1021/G-CS2-3.0-2.5-Z
F1009	1.00	2.50	3.50	36.80	11.50	WFSB 1021/G-CS2-3.0-2.5-Z
F1016	1.50	3.00	2.50	35.80	10.50	WFSB 1021/G-3.5-3.0-Z
F1021	0.70	1.80	2.00	35.30	10.00	WFSB 1021/G-2.54-1.8
F1033	0.70	1.80	1.50	34.80	9.50	WFSB 1021/G-2.54-1.8

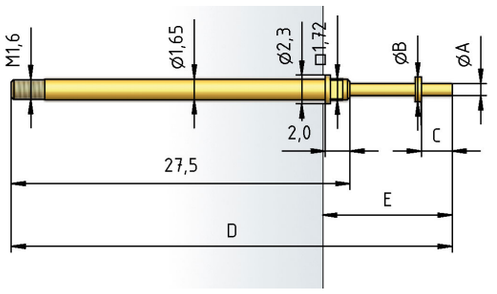


Fx9xx

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Tip Style	Tip-Ø [mm] A	Plate-Ø [mm] B	Tip Length [mm] C	Overall Length [mm] D	Installation height [mm] E	Screw Tool
F1901	1.30	2.50	3.00	36.30	11.00	WFBS 1021/G-3.0-1.5-SW
F1908	1.00	2.30	3.30	36.60	11.30	WFSB 1021/G-2.54-1.5-SW
F1916	1.50	3.00	2.50	35.80	10.50	WFSB 1021/G-3.0-1.5-SW

1012/G

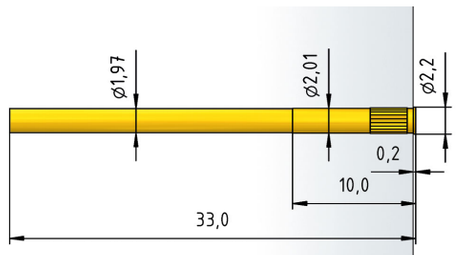


Technical Data // Series 1021/G

Step Probe 100 mil / 2.54 mm

Receptacles 1021/G

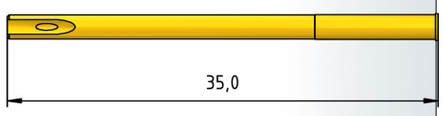
H 1021/GR-C



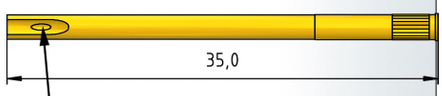
H 1021/GR-L



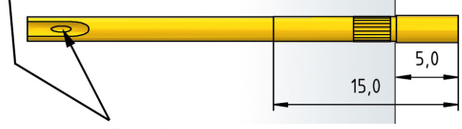
H 1021/GV-L



H 1021/GRV-L

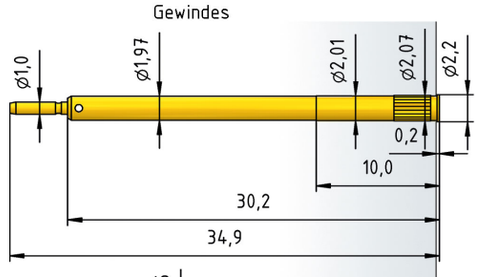


H 1021/5GRV-L

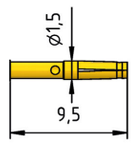


Beim Anlöten eines Drahtes wird diese Hülse vakuumdicht verschlossen
Achtung: Bei Überdosierung von Lot besteht die Gefahr des Verlötens des Gewindes

H 1021/GR-ST1.0



ST 1015-C1.0



ST 1015-C1.0-V800



HOW TO ORDER

1021/	G	-	D1013	-	1.5 N	E	-	Au	-	0.65
1	2		3		4	5		6		7

1. Series 2. Threaded Design 3. Tip Style
4. Spring Force 5. High Temperature 6. Tip Plating
7. Tip Diameter