

Series	Center	Page
1007/G	50 mil / 1.27 mm	83
1010/G	75 mil / 1.91 mm	84
1012/G	75 mil / 1.91 mm	85
1015/G	100 mil / 2.54 mm	86
1015/G Position Test	100 mil / 2.54 mm	87
1021/G	100 mil / 2.54 mm	88
1021/G Position Test	100 mil / 2.54 mm	89
1028/G	100 mil / 2.54 mm	90
5310/G	100 mil / 2.54 mm	91
1060/G	160 mil / 4.00 mm	92
1060/G Position Test	160 mil / 4.00 mm	93
1061/G	160 mil / 4.00 mm	94
5110/G	160 mil / 4.00 mm	95
1042/G	177 mil / 4.50 mm	96

Test Probes with Thread

Test Probes with Thread are mainly used in the automotive supply industry to test cable harnesses. The thread on the test probe and receptacle prevents the test probe from gradually twisting out of the receptacle, something which is aided by the spontaneous opening of the test module. Different sizes with centers from 1.27 to 4.0 mm with different tip styles and contact pressures provide a basis for almost all connectors which need testing. A constantly increasing range of Test Probes for position tests completes this range of products.

A large selection of screwing tools and torque screwdrivers makes it easy to use these Test Probes with Thread (see page 182).

Test conditions and connectors change very quickly in this sector, so both the market and our customers demand new types of test probes with increasing frequency. Thanks to the use of the most up-to-date control technology in our in-house lathe center, we are able to satisfy these demands. We can manufacture test probes and create special solutions to meet our customers' individual needs promptly and with a high level of precision.



Position Test / Push-back Check

Test Probes for the position test check the correct position of contacting elements in connectors (passive push-back test).

In contrast to this, during the active push-back test a high defined force is applied to the contacting elements by means of a push-back test probe. This provides a mechanical check on the locking of the contacting elements in the connector and, in the case of an error, evaluates an electrical interruption.

The tips are matched to the relevant connector geometry. PTR offers a wide range of different shapes and dimensions.



Checking for Bent Pins

In order to recognise bent plug pins, special tips are fitted with insulating caps which prevent electrical contact with the tip and generate an error message.

The dimensions and shape of the insulation cap and tip plunger are designed to match the geometry of the relevant connector.



Series 1007/G

- Test probe for cable harness testing
- Screwable - threaded design
- Screwing tools available

Mechanical Data

Center	1.27 mm / 50 mil
Full Travel	5.00 mm
Working Travel	4.00 mm
Pre-Loaded Spring Force	0.20 N
Spring Force at Working Travel	1.10 N

Electrical Data

Max. Current Rating	3.0 A
Typical Continuity Resistance	≤ 50 mOhm





Materials

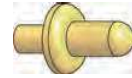
Barrel	Bronze, gold plated
Spring	Spring Steel, gold plated
Plunger	CuBe, gold plated
Receptacle	Bronze, gold plated

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	0.99 mm
HGW 2372 (Glass filled Material)	1.00 mm

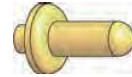
Tip Style · Diameter · Plating

			
B	C	D	F
0.40C Au	0.90C Au	0.64C Au	0.64C Au



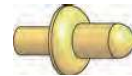
D7001
0.60C Au

Tip Styles	Tip Diameter mm A	Plate Diameter mm B	Tip Length mm C	Overall Length mm D	Extension Height mm E
D7001	0.60	1.00	1.80	29.70	11.30



D7002
0.60C Au

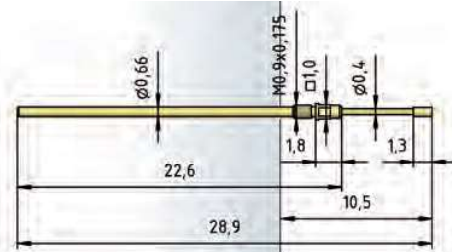
Tip Styles	Tip Diameter mm A	Plate Diameter mm B	Tip Length mm C	Overall Length mm D	Extension Height mm E
D7002	0.60	1.00	2.60	30.50	12.10



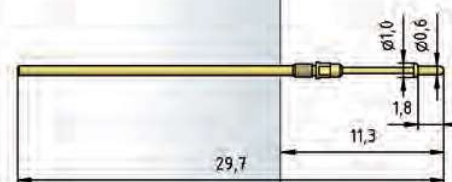
D7003
0.50C Au

Tip Styles	Tip Diameter mm A	Plate Diameter mm B	Tip Length mm C	Overall Length mm D	Extension Height mm E
D7003	0.50	0.90	1.40	29.30	10.90

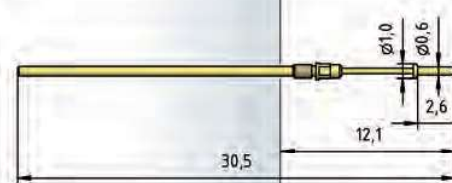
1007/G



1007/G-D7001



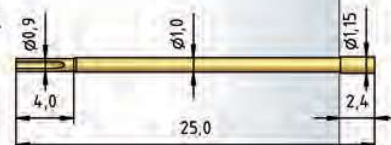
1007/G-D7002



1007/G-D7003



H 1007/G-L



How to Order

1007/ **G** - **B** - **1.1 N** - **Au** - **0.4 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 1010/G

- Test probe for cable harness testing
- Screwable - threaded design
- Screwing tools available

Mechanical Data

Center	1.91 mm / 75 mil
Full Travel	3.00 mm
Working Travel	2.40 mm
Pre-Loaded Spring Force	0.20 N
Spring Force at Working Travel	0.80 N

Electrical Data

Max. Current Rating	3.0...4.0 A
Typical Continuity Resistance	≤ 20 mOhm

Materials

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

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	1.25 mm
HGW 2372 (Glass filled Material)	1.26 mm

Tip Style · Diameter · Plating



A	B	B1	C	D
1.50 Au	0.45 Au	0.70 Au	1.50C Au	0.50 Au

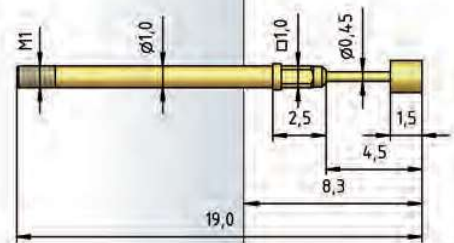


D	DF	D2	D2	F
0.65 Au 1.00 Au/Ni	1.00 Au	0.40 Au	0.60 Au	1.00 Au 1.50 Au

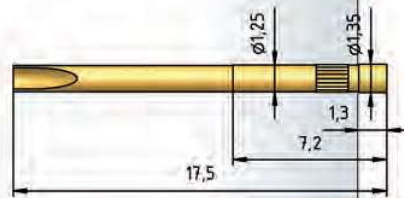


G	H
1.50 Rh	1.50C Ni

1010/G



H 1010/GR-L



H 1010/GRV-L



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

How to Order

1010/ **G** - **D** - **0.8 N** - **Au** - **1.0 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 1012/G

- Test probe for cable harness testing
- Screwable - threaded design
- Screwing tools available

Mechanical Data

Center	1.91 mm / 75 mil
Full Travel	6.40 mm
Working Travel	4.30 mm
Pre-Loaded Spring Force	0.20/ 0.30/ 0.40/ 0.50/ 0.70 N
Spring Force at Working Travel	0.60/ 1.00/ 1.50/ 2.00/ 2.80 N

Electrical Data

Max. Current Rating	3.0...4.0 A
Typical Continuity Resistance	≤ 20 mOhm






























Materials

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

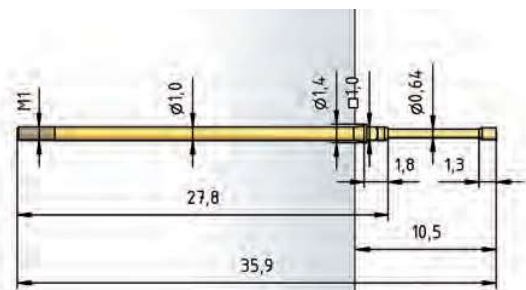
Recommended Diameter of Drill

HP 2361.1 (Trolitax)	1.31 mm
HGW 2372 (Glass filled Material)	1.33 mm

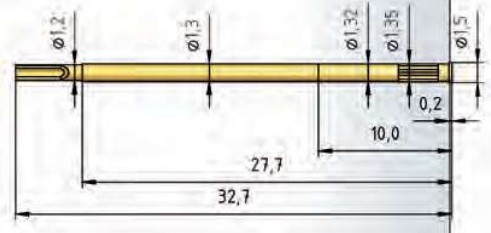
Tip Style · Diameter · Plating

				
A	A6	B	BD	BST1
1.20C Au	1.20 Au	0.64 Au	0.61C Au	0.64 Au
				
BST2	C	CS1	D	D
0.64 Au	1.00 Au 1.20 Au	0.80/1.30C Au/ POM	0.50C Au	0.64C Au
				
D3	F	G	H	H
0.50C Au	0.90C Au	1.15 Au	0.64 Au	1.00 Au 1.20 Au
				
H1	K	M1	M6	N
0.64 Au	1.20 Au	1.20 Au	1.30 Au	0.50 Au
				
Q	Q	Q	Q8	V
0.50 Au	0.64 Au	0.80 Au 1.00 Au 1.15 Au	1.20 Au	0.64 Au
				
V1	V1	V5	VL2	
0.64 Au	0.80 Au	0.64 Au	0.64 Au	

1012/G



H 1012/GRV-L



How to Order

1012/ G - C - 1.5 N - Au - 1.0 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 1015/G

- Test probe for cable harness testing
- Screwable - threaded design
- Screwing tools available

Mechanical Data

Center	2.54 mm / 100 mil
Full Travel	4.40 mm
Working Travel	3.50 mm
Pre-Loaded Spring Force	0.25/ 0.40/ 0.40/ 0.30/ 0.70/ 0.60 N
Spring Force at Working Travel	0.70/ 1.00/ 1.50/ 1.70/ 2.50/ 3.00 N

Electrical Data

Max. Current Rating	3.0...5.0 A
Typical Continuity Resistance	≤ 20 mOhm





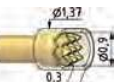










Materials

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

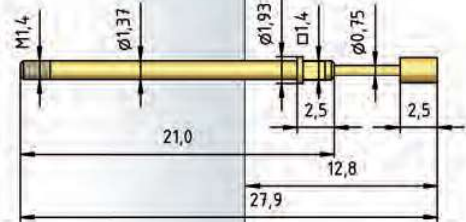
Recommended Diameter of Drill

HP 2361.1 (Trolitax)	1.68...1.70 mm
HGW 2372 (Glass filled Material)	1.68...1.70 mm

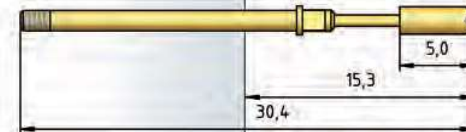
Tip Style · Diameter · Plating

				
A	B	BS	C	C15
1.80 Au/Ni	0.75 Au/Rh/Ni	0.38 Au	1.00 Au 1.30C Au 1.80C Au/Ni	0.90/1.37 Au/HTK
				
C2S	C15	D	D	E
1.20/1.80 Au/HTK	1.80 Au	0.50 Ni 0.65C Au/Ni 0.75 Au/Rh	1.25 Au/Ni	1.80 Au/Ni
				
F	F	G	H	K
0.75 Rh	1.50C Au 1.80 Rh	1.30 Rh 1.80 Au/Ni	1.30 Rh 1.80 Au	1.80 Au/Ni

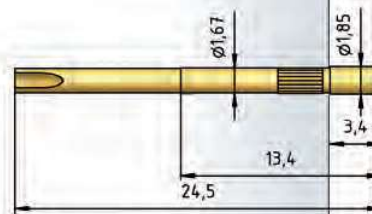
1015/G



1015/G-C15



H 1015/GR-L



H 1015/GRV-L



This receptacle is sealed vaccum-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.

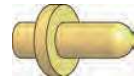
How to Order

1015/ G - A - 1.5 N - Au - 1.8 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 1015/G

- Test probe for cable harness testing
- Test probe geometry for position test
- Screwable - threaded design
- Screwing tools available



Dxxxx

Au

Mechanical Data	
Center	2.54 mm / 100 mil
Full Travel	4.40 mm
Working Travel	3.50 mm
Pre-Loaded Spring Force	0.25/ 0.40/ 0.40/ 0.30/ 0.70/ 0.60 N
Spring Force at Working Travel	0.70/ 1.00/ 1.50/ 1.70/ 2.50/ 3.00 N

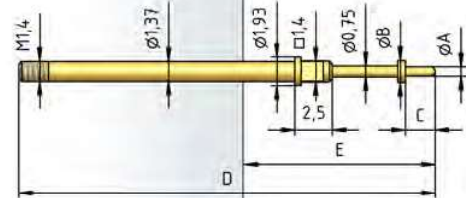
Electrical Data	
Max. Current Rating	3.0 A
Typical Continuity Resistance	≤ 30 mOhm

Materials	
Barrel	Brass, gold plated
Spring	Spring Steel, gold plated
Plunger	Steel, gold plated
Receptacle	Brass, gold plated

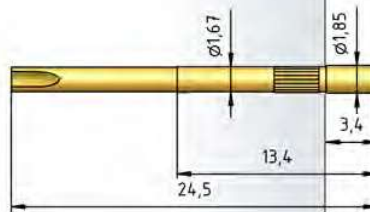
Recommended Diameter of Drill	
HP 2361.1 (Trolitax)	1.68...1.70 mm
HGW 2372 (Glass filled Material)	1.68...1.70 mm

Tip Styles	Tip Diameter mm A	Plate Diameter mm B	Tip Length mm C	Overall Length mm D	Extension Height mm E
D1001	0.65	1.50	4.00	29.90	14.80
D1002	0.65	1.50	2.80	28.70	13.60
D1003	0.65	1.50	3.30	29.20	14.10
D1004	0.65	1.50	3.40	29.30	14.20
D1005	0.70	1.50	4.00	29.90	14.80
D1006	0.65	1.40	5.50	31.40	16.30
D0615	0.65	1.50	1.50	27.40	12.30
D0620	0.65	1.50	2.00	27.90	12.80
D0625	0.65	1.50	2.50	28.40	13.30
D0630	0.65	1.50	3.00	28.90	13.80
D0635	0.65	1.50	3.50	29.40	14.30
D0645	0.65	1.50	4.50	30.40	15.30
D0650	0.65	1.50	5.00	30.90	15.80

1015/G



H 1015/GR-L



H 1015/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

1015/ G - D1001 - 1.5 N - Au - 0.65x 4.0/ 1.5
1 2 3 4 5 6 7 8

1. Series 2. Threaded Design 3. Tip Style 4. Spring Force 5. Tip Plating
6. Tip Diameter 7. Tip Length 8. Plate Diameter

Series 1021/G

- Test probe for cable harness testing
- Screwable - threaded design
- Screwing tools available

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/ 1.00/ 1.00 N
Spring Force at Working Travel	0.70/ 1.00/ 1.50/ 2.25/ 3.00/ 5.00 N

Electrical Data

Max. Current Rating	5.0...8.0 A
Typical Continuity Resistance	≤ 25 mOhm

Materials

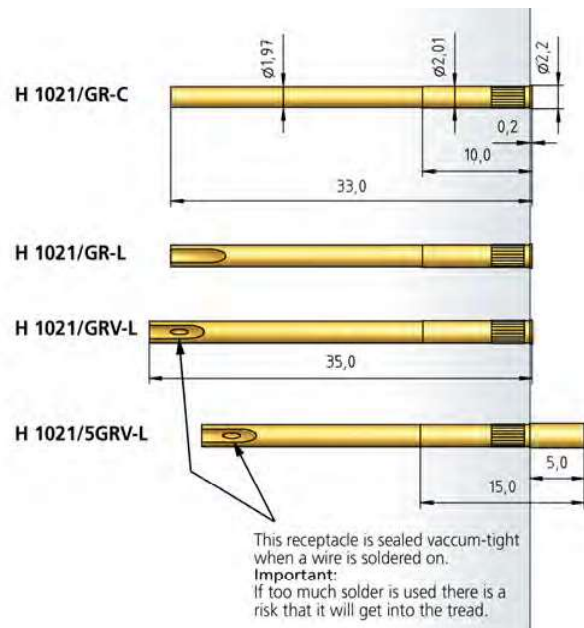
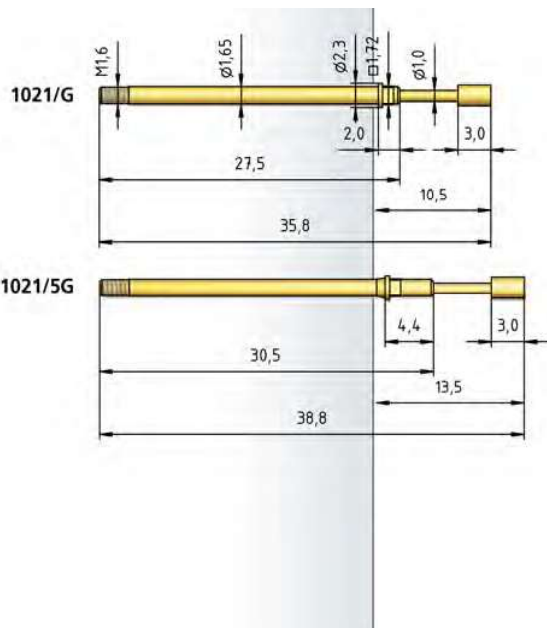
Barrel	Brass, gold plated
Spring	Spring Steel, gold plated
Plunger	Steel, Plastic
Receptacle	Brass, gold plated

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	2.00 mm
HGW 2372 (Glass filled Material)	2.03 mm

Tip style · Diameter · Plating

A	B	BST	C	C15
2.00 Au/Ni/Rh	0.65 Ni 0.80 Au/Ni/Rh 1.00 Au/Ni	0.80 Au	1.30 Au/Ni/Rh 1.50 Au 1.80 Au/Ni/Rh 2.00 Au/Ni 2.30 Rh 2.50 Ni 3.00 Rh	1.20/2.00 Au/HTK
C55	D	D	D1	F
1.40/2.50 Au/HTK	0.65 Au/Ni 0.80 Au 1.00 Au	1.30 Au/Ni 1.40 Au 1.80 Ni 2.00 Au	0.65 Au/Ni	0.80 Au 1.00 Au/Ni
F	F1	F4	G	H
1.40 Au 1.50 Au 1.80 Au 2.00 Au/Ni	0.65 Ni	0.80 Au	1.30 Ni 1.80 Au/Rh 2.00 Au	1.80 Rh 2.00 Rh
K	M	Q		
1.15 Ni 1.75 Ni 2.00 Rh	1.80 Rh	1.00 Ni 1.30 Au/Ni		



How to Order

1021/ G - F - 1.5 N - Au - 2.0

1 2 3 4 5 6

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

Series 1021/G

- Test probe for cable harness testing
- Test probe geometry for position test
- All designs available with collar height 5.0 mm
- Screwable - threaded design
- Screwing tools available

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/ 1.00/ 1.00 N
Spring Force at Working Travel	0.70/ 1.00/ 1.50/ 2.25/ 3.00/ 5.00 N

Electrical Data

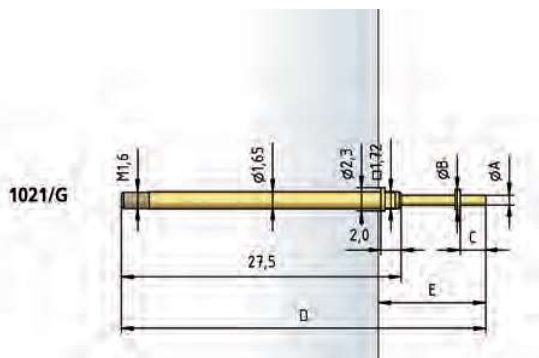
Max. Current Rating	5.0...8.0 A
Typical Continuity Resistance	≤ 25 mOhm

Materials

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

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	2.00 mm
HGW 2372 (Glass filled Material)	2.03 mm



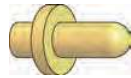
Receptacles see page 88

How to Order

1021/ G - D1013 - 1.5 N - Au - 0.65x 2.5/ 1.8

1 2 3 4 5 6 7 8

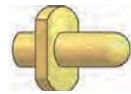
1. Series 2. Threaded Design 3. Tip Style 4. Spring Force 5. Tip Plating
6. Tip Diameter 7. Tip Length 8. Plate Diameter



Dxxxx

Au

Tip Styles	Tip Diameter mm A	Plate Diameter mm B	Tip Length mm C	Overall Length mm D	Extension Height mm E
D0615	0.65	1.80	1.50	34.80	9.50
D0620	0.65	1.80	2.00	35.30	10.00
D0630	0.65	1.80	3.00	36.30	11.00
D0635	0.65	1.80	3.50	36.80	11.50
D0640	0.65	1.80	4.00	37.30	12.00
D0645	0.65	1.80	4.50	37.80	12.50
D0650	0.65	1.80	5.00	38.30	13.00
D0815	0.80	1.80	1.50	34.80	9.50
D0820	0.80	1.80	2.00	35.30	10.00
D0825	0.80	1.80	2.50	35.80	10.50
D0830	0.80	1.80	3.00	36.30	11.00
D0835	0.80	1.80	3.50	36.80	11.50
D0840	0.80	1.80	4.00	37.30	12.00
D0845	0.80	1.80	4.50	37.80	12.50
D0850	0.80	1.80	5.00	38.30	13.00
D1005	0.80	2.50	2.80	36.10	10.80
D1006	0.80	3.50	3.20	36.50	11.20
D1007	1.00	2.50	2.60	35.90	10.60
D1010	0.80	2.50	4.60	37.90	12.60
D1011	0.80	1.95	2.80	36.10	10.80
D1012	0.65	3.00	3.40	36.70	11.40
D1013	0.65	1.80	2.50	35.80	10.50
D1014	0.80	2.50	4.00	37.30	12.00
D1015	0.80	2.30	3.20	36.50	11.20
D1018	0.65	1.50	5.00	38.30	13.00
D1019	1.00	1.80	2.00	35.30	10.00
D1020	0.65	1.80	3.60	36.90	11.60
D1024	0.65	1.50	4.30	37.60	12.30
D7017	0.65	1.50	2.70	36.00	10.70



Dx9xx

Au

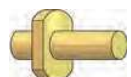
Tip Styles	Tip Diameter mm A	Plate Diameter mm B	Tip Length mm C	Overall Length mm D	Extension Height mm E
D1906	0.80	3.50	3.20	36.50	11.20
D1907	1.00	2.50	2.60	35.90	10.60
D1910	0.80	2.50	4.60	37.90	12.60
D1914	0.80	2.50	4.00	37.30	12.00
D1915	0.80	2.30	3.20	36.50	11.20



Fxxxx

Au

Tip Styles	Tip Diameter mm A	Plate Diameter mm B	Tip Length mm C	Overall Length mm D	Extension Height mm E
F0015	1.00	1.80	1.50	34.80	9.50
F0020	1.00	1.80	2.00	35.30	10.00
F0025	1.00	1.80	2.50	35.80	10.50
F0030	1.00	1.80	3.00	36.30	11.00
F0035	1.00	1.80	3.50	36.80	11.50
F0040	1.00	1.80	4.00	37.30	12.00
F0045	1.00	1.80	4.50	37.80	12.50
F0050	1.00	1.80	5.00	38.30	13.00
F1001	1.30	2.50	3.00	36.30	11.00
F1008	1.00	2.30	3.30	36.60	11.30
F1009	1.00	2.50	3.50	36.80	11.50
F1016	1.50	3.00	2.50	35.80	10.50
F1021	0.70	1.80	2.00	35.30	10.00
F1033	0.70	1.80	1.50	34.80	9.50



Fx9xx

Au

Tip Styles	Tip Diameter mm A	Plate Diameter mm B	Tip Length mm C	Overall Length mm D	Extension Height mm E
F1901	1.30	2.50	3.00	36.30	11.00
F1908	1.00	2.30	3.30	36.60	11.30
F1916	1.50	3.00	2.50	35.80	10.50

Series 1028/G

- Test probe for cable harness testing
- Screwable - threaded design
- Screwing tools available

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/ 0.60/ 0.80/ 1.10/ 1.30 N
Spring Force at Working Travel	0.70/ 1.00/ 1.50/ 2.25/ 3.00/ 5.00 N

Electrical Data

Max. Current Rating	5.0...8.0 A
Typical Continuity Resistance	≤ 25 mOhm

Materials

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

Recommended Diameter of Drill

H1021/GRHP 2361.1 (Trolitax)	2.00 mm
HGW 2372 (Glass filled Material)	2.03 mm

Tip Style · Diameter · Plating



A	B	BST	C	CSM
1.50 Au/1.80 Ni	1.30 Rh	0.80 Au	1.40 Au 1.80 Rh 2.50 Rh 3.50 Rh	1.00/2.00 Au/HTK



D	D1	EB	F	G
1.40 Au	0.65 Ni 0.80 Ni	1.80 Au	1.30 Ni	1.30 Ni 1.50 Rh

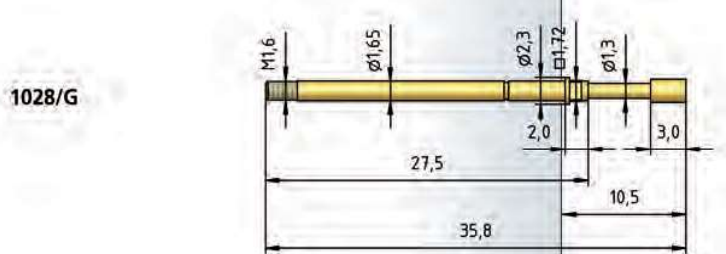


H	H	K	M6	Q
1.30 Au	1.40 Au 1.80 Au	1.30 Au 1.75 Ni	2.00 Rh	1.30 Au

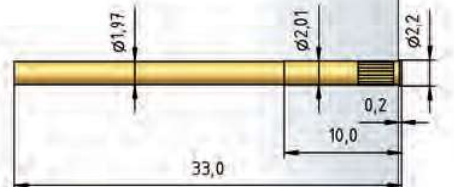


Q	Q5	Q8	V
1.80 Au 2.00 Au	1.30 Ni	2.30 Ni	1.30 Ni

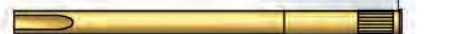
1028/G



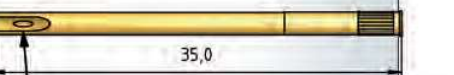
H 1021/GR-C



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 tread.

How to Order

1028/ G - A - 1.5 N - Ni - 1.8
1 2 3 4 5 6

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

Series 5310/G

- Test probe for cable harness testing
- Screwable - threaded design
- Screwing tools available

Tip Style · Diameter · Plating



A	B	C	D1	H
2.00C Au	1.00 Au	2.00C Au	0.80 Au	1.00 Au

Mechanical Data

Center	2.54 mm / 100 mil
Full Travel	4.50 mm
Working Travel	3.50 mm
Pre-Loaded Spring Force	0.30 N
Spring Force at Working Travel	1.50 N

Electrical Data

Max. Current Rating	5.0...8.0 A
Typical Continuity Resistance	≤ 20 mOhm

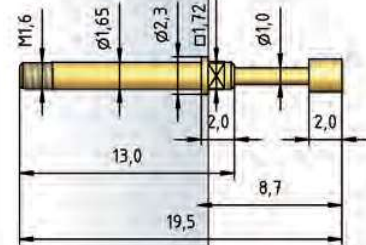
Materials

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

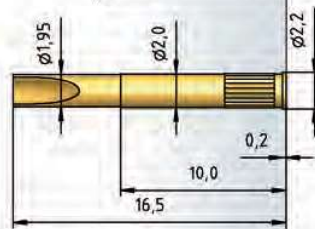
Recommended Diameter of Drill

HP 2361.1 (Trolitax)	2.00 mm
HGW 2372 (Glass filled Material)	2.03 mm

5310/G



H 5310/GR-L



How to Order

5310/ G - A - 1.5 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/G

- Test probe for cable harness testing
- Screwable - threaded design
- Screwing tools available

Mechanical Data

Center	4.00 mm / 160 mil
Full Travel	5.50 mm
Working Travel	4.40 mm
Pre-Loaded Spring Force	0.20/ 0.20/ 0.40/ 0.50/ 0.80/ 0.70 N
Spring Force at Working Travel	0.40/ 0.60/ 1.50/ 2.25/ 3.00/ 5.00 N

Electrical Data

Max. Current Rating	5.0...8.0 A
Typical Continuity Resistance	≤ 30 mOhm

Materials

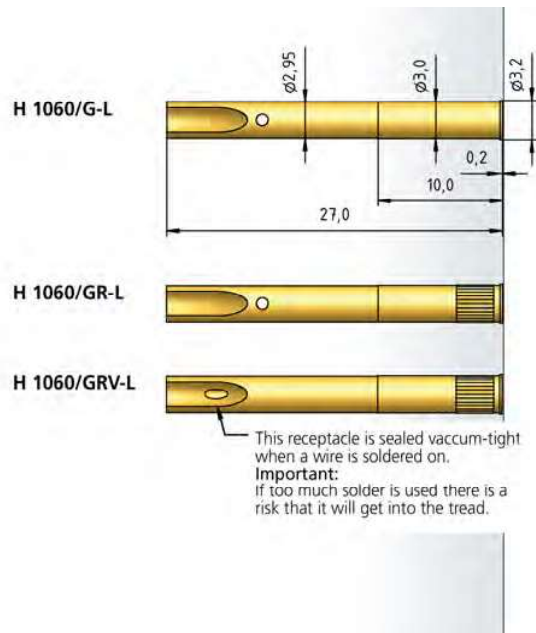
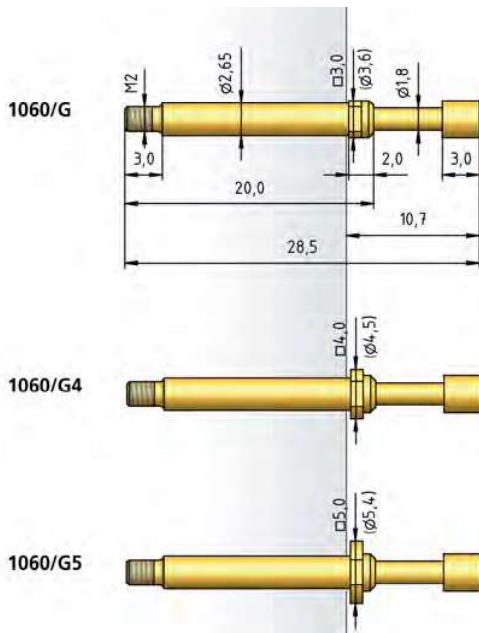
Barrel	Brass, gold plated
Spring	Spring Steel, gold plated
Plunger	Steel
Receptacle	Brass, gold plated

Recommended Diameter of Drill

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

Tip Style · Diameter · Plating

A	A6	B	BA	BA1
2.50 Ni 3.00 Au 4.00 Au	2.50C Au 4.00C Au	1.80 Ni/Rh	1.80 Au/Ni	1.50 Ni
C	C6	D	D	D
2.30 Au/Ni/Rh 2.50 Au/Ni/Rh 3.00 Au/Ni/Rh 4.00 Au/Ni/Rh	3.50 Au/Ni	1.00 Rh	1.80 Au	2.30 Au/Ni 2.50 Au/Ni
D2	D3	F	F	F3
3.00 Au/Ni	0.80 Rh 1.40 Au	1.80 Au/Ni	2.30 Au/Rh 2.50 Rh 3.00 Au 4.00 Rh	1.00 Rh 1.40 Au
G	H	K	KF	
2.30 Rh 2.50 Ni/Rh 4.00 Au/Ni/Rh	2.50 Ni 2.60 Ni 3.00 Ni/Rh 4.20 Rh	1.80 Rh 3.00 Ni	2.60 Ni 4.00 Ni	



How to Order

1060/ G - A - 1.5 N - Au - 4.0
 1 2 3 4 5 6

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

Series 1060/G

- Test probe for cable harness testing
- Test probe geometry for position test
- Screwable - threaded design
- Screwing tools available

Mechanical Data

Center	4.00 mm / 160 mil
Full Travel	5.50 mm
Working Travel	4.40 mm
Pre-Loaded Spring Force	0.20/ 0.20/ 0.40/ 0.50/ 0.80/ 0.70 N
Spring Force at Working Travel	0.40/ 0.60/ 1.50/ 2.25/ 3.00/ 5.00 N

Electrical Data

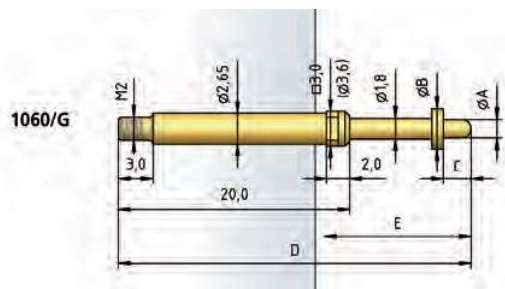
Max. Current Rating	5.0...8.0 A
Typical Continuity Resistance	≤ 30 mOhm

Materials

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

Recommended Diameter of Drill

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

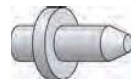


Receptacles see page 92

How to Order

1060/ G - D1013 - 1.5 N - Au - 1.00x 2.8/ 3.5
 1 2 3 4 5 6 7 8

1. Series 2. Threaded Design 3. Tip Style 4. Spring Force 5. Tip Plating
 6. Tip Diameter 7. Tip Length 8. Plate Diameter



BAx

Ni

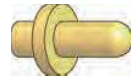
Tip Styles	Tip Diameter mm A	Plate Diameter mm B	Tip Length mm C	Overall length mm D	Extension Height mm E
BA2	1.80	4.00	3.00	29.00	11.20
BA3	1.80	4.00	2.50	29.00	11.20
BA5	1.80	4.00	2.50	28.50	10.70
BA7	1.80	4.00	2.10	29.00	11.20
BA71	1.80	4.00	2.10	29.00	11.20



C42

4.00 Ni

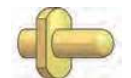
Tip Styles	Tip Diameter mm A	Plate Diameter mm B	Tip Length mm C	Overall length mm D	Extension Height mm E
C42	4.00	5.00 mm	1.00	28.50	10.70



D1xxxx

Au

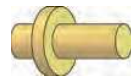
Tip Styles	Tip Diameter mm A	Plate Diameter mm B	Tip Length mm C	Overall length mm D	Extension Height mm E
D1001	1.40	3.50	2.40	28.90	11.10
D1002	1.40	3.50	4.00	30.50	12.70
D1003	1.40	3.50	3.30	29.80	12.00
D1004	1.00	3.50	4.00	30.50	12.70
D1013	1.00	3.50	2.80	29.30	11.50



Dx9xx

Au

Tip Styles	Tip Diameter mm A	Plate Diameter mm B	Tip Length mm C	Overall length mm D	Extension Height mm E
D1904	1.00	3.50	4.00	30.50	12.70



F1xxxx

Au

Tip Styles	Tip Diameter mm A	Plate Diameter mm B	Tip Length mm C	Overall length mm D	Extension Height mm E
F11	1.30	4.70	7.00	33.50	15.70
F12	1.30	4.70	5.00	33.50	15.70
F13	1.30	4.70	2.00	30.50	12.70
F14	2.60	4.00	1.80	29.00	11.20
F33	2.00	4.00	2.50	36.00	18.70
F40	1.50	4.00	2.65	28.50	10.70
F41	4.00	4.70	2.00	28.50	10.70
F1007	1.30	4.70	5.30	31.80	14.00
F1008	1.40	3.50	2.00	28.50	10.70
F1009	4.00	5.00	2.00	28.50	10.70
F1010	1.40	3.50	1.70	28.20	10.40
F1011	2.30	3.50	2.00	28.50	10.70
F1012	1.40	3.50	3.00	29.50	11.70
F1015	2.30	3.50	1.80	28.30	10.50
F1016	1.30	4.70	3.60	30.10	12.30
F1017	1.30	4.70	2.70	29.20	11.40
F1018	1.80	4.50	1.50	28.00	10.20



Fx9xx



Au

Tip Styles	Tip Diameter mm A	Plate Diameter mm B	Tip Length mm C	Overall length mm D	Extension Height mm E
F1907	1.30	4.70	5.30	31.80	14.00
F1909	4.00	5.00	2.00	28.50	10.70
F1916	1.30	4.70	3.60	30.10	12.30
F1917	1.30	4.70	2.70	29.20	11.40
F1918	1.80	4.50	1.50	28.00	10.20

Series 1061/G

- Test probe for cable harness testing
- Increased installation height
- Screwable - threaded design
- Screwing tools available

Tip Style · Diameter · Plating

	
B	BA
1.80 Ni	1.80 Rh

Mechanical Data

Center	4.00 mm / 160 mil
Full Travel	7.00 mm
Working Travel	5.60 mm
Pre-Loaded Spring Force	0.40/ 0.60 N
Spring Force at Working Travel	1.50/ 3.00 N

Electrical Data

Max. Current Rating	5.0 A
Typical Continuity Resistance	≤ 35 mOhm

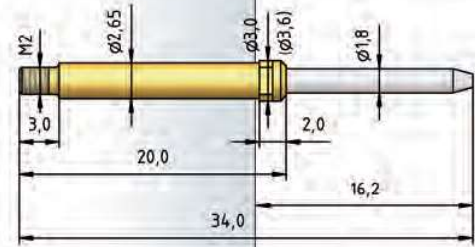
Materials

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

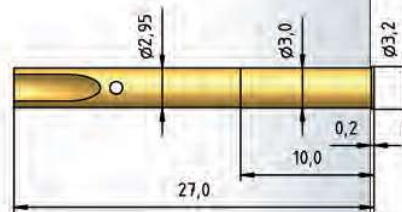
Recommended Diameter of Drill

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

1061/G



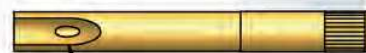
H 1060/G-L



H 1060/GR-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

1061/ G - B - 1.5 N - Ni - 1.8

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

Series 5110/G

- Test probe for cable harness testing
- Compact design
- Screwable - threaded design
- Screwing tools available

Mechanical Data

Center	4.00 mm / 160 mil
Full Travel	3.50 mm
Working Travel	2.80 mm
Pre-Loaded Spring Force	0.25/ 0.30/ 0.45/ 0.50/ 1.00 N
Spring Force at Working Travel	0.80/ 1.20/ 1.50/ 2.50/ 3.50 N

Electrical Data

Max. Current Rating	10.0 A
Typical Continuity Resistance	≤ 10 mOhm

Materials

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

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	2.64 mm
HGW 2372 (Glass filled Material)	2.65 mm

Tip Style · Diameter · Plating

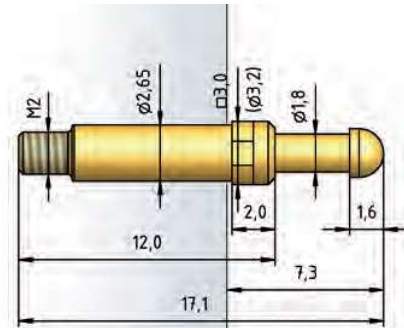


C	D	D1	E	F
2.30C Au 3.50C Au	2.30C Au	2.30C Au	2.30C Au	2.30C Au

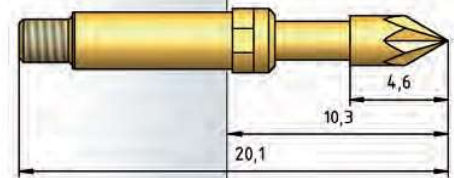


K2
2.30C Au

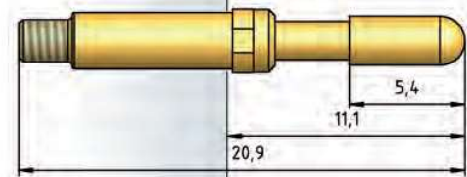
5110/G



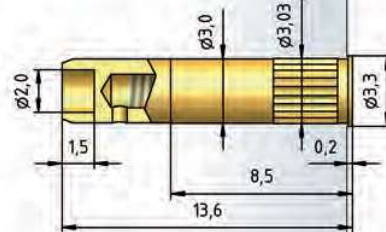
5110/G-K2



5110/G-D1



H 5110/GR



How to Order

5110/ G - D - 1.5 N - Au - 2.3 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 1042/G

- Test probe for cable harness testing
- Screwable - threaded design
- Screwing tools available

Mechanical Data

Center	4.50 mm / 177 mil
Full Travel	7.00 mm
Working Travel	5.60 mm
Pre-Loaded Spring Force	0.40/ 0.80/ 0.80 N
Spring Force at Working Travel	1.50/ 3.00/ 5.00 N

Electrical Data

Connector / Receptacle

Max. Current Rating	5.0...8.0 A
Typical Continuity Resistance	≤ 30 mOhm

Connector / Plunger

Max. Current Rating	12.0...15.0 A
Typical Continuity Resistance	≤ 10 mOhm

Materials

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

Recommended Diameter of Drill

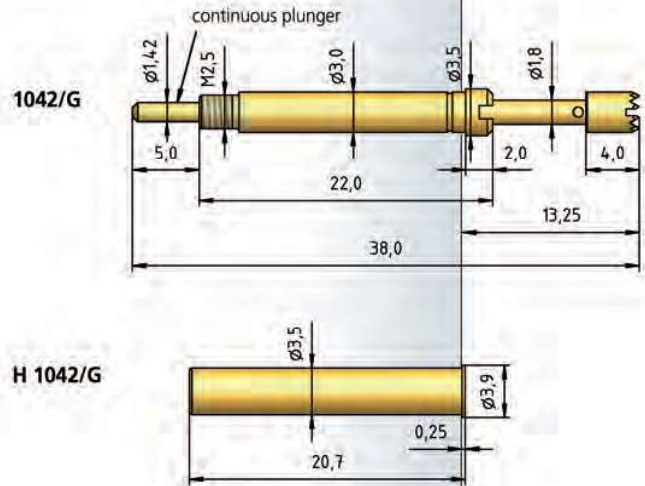
HP 2361.1 (Trolitax)	3.50 mm
HGW 2372 (Glass filled Material)	3.52 mm

Tip Style · Diameter · Plating



C

3.00C Au
4.00C Au



How to Order

1042/ G - C - 1.5 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)

the 1990s, the number of people in the UK who are aged 65 and over has increased from 10.5 million to 13.5 million, and the number of people aged 75 and over has increased from 4.5 million to 6.5 million (Office for National Statistics 2000).

There is a growing awareness of the need to address the health care needs of the elderly population. The Department of Health (2000) has set out a strategy for the care of the elderly, which includes a commitment to improve the quality of care for the elderly and to ensure that the needs of the elderly are met. The strategy also includes a commitment to improve the quality of life for the elderly and to ensure that the elderly are able to live independently for as long as possible.

The Department of Health (2000) has also set out a number of key objectives for the care of the elderly, which include: to improve the quality of care for the elderly; to ensure that the needs of the elderly are met; to improve the quality of life for the elderly; and to ensure that the elderly are able to live independently for as long as possible. These objectives are being addressed through a number of initiatives, including the development of new services and the improvement of existing services.

The Department of Health (2000) has also set out a number of key principles for the care of the elderly, which include: to respect the dignity and autonomy of the elderly; to ensure that the elderly are able to live independently for as long as possible; to ensure that the elderly are able to participate in decisions about their care; and to ensure that the elderly are able to live in their own homes for as long as possible. These principles are being addressed through a number of initiatives, including the development of new services and the improvement of existing services.

The Department of Health (2000) has also set out a number of key areas for action, which include: to improve the quality of care for the elderly; to ensure that the needs of the elderly are met; to improve the quality of life for the elderly; and to ensure that the elderly are able to live independently for as long as possible. These areas for action are being addressed through a number of initiatives, including the development of new services and the improvement of existing services.

The Department of Health (2000) has also set out a number of key challenges for the care of the elderly, which include: to improve the quality of care for the elderly; to ensure that the needs of the elderly are met; to improve the quality of life for the elderly; and to ensure that the elderly are able to live independently for as long as possible. These challenges are being addressed through a number of initiatives, including the development of new services and the improvement of existing services.

The Department of Health (2000) has also set out a number of key opportunities for the care of the elderly, which include: to improve the quality of care for the elderly; to ensure that the needs of the elderly are met; to improve the quality of life for the elderly; and to ensure that the elderly are able to live independently for as long as possible. These opportunities are being addressed through a number of initiatives, including the development of new services and the improvement of existing services.

The Department of Health (2000) has also set out a number of key messages for the care of the elderly, which include: to improve the quality of care for the elderly; to ensure that the needs of the elderly are met; to improve the quality of life for the elderly; and to ensure that the elderly are able to live independently for as long as possible. These messages are being addressed through a number of initiatives, including the development of new services and the improvement of existing services.

The Department of Health (2000) has also set out a number of key conclusions for the care of the elderly, which include: to improve the quality of care for the elderly; to ensure that the needs of the elderly are met; to improve the quality of life for the elderly; and to ensure that the elderly are able to live independently for as long as possible. These conclusions are being addressed through a number of initiatives, including the development of new services and the improvement of existing services.