

### **PRODUCT RANGE & PRICE LIST**

Effective from 1st September 2022



### Europe's leading producer of Pillars and Spacers

G&B Projects has been manufacturing Europe's most comprehensive range of Pillars and Spacers for over 50 years.

This catalogue covers our complete range of Pillars and Spacers

### IF A STANDARD PRODUCT WON'T MEET YOUR NEEDS...

Sometimes a standard Pillar or Spacer may not suit your application. We specialise in producing non-standard parts at very competitive prices. Non-standard body lengths, thread sizes and materials can all be accommodated, as well as special features such as screwdriver slots, cross holes and alternative body colours.

### ■ IF YOU NEED TECHNICAL ADVICE...

We are widely acknowledged to be the industry's leading authority on Pillars and Spacers. Our technical sales team is dedicated to finding the right solution for your particular application. To benefit from our extensive experience, just give us a call.

### ■ IF YOU'VE GOT A LARGE ORDER, AND NEED IT FAST...

G&B Projects carries the largest stock of Pillars and Spacers in the industry, ready for immediate despatch where you want, when you want.

### IF YOU WANT THE BEST...

Every item we produce is subjected to a controlled inspection procedure that ensures our customers get the best quality, highest standard product every time. Our commitment to quality is further enhanced by our compliance with BS EN ISO 9001:2015.

**HOW TO ORDER** 

BY PHONE - For immediate processing of your order or to reach our technical sales team, call 01684 574367.

BY FAX - Send your orders and enquiries to 01684 560225.

BY EMAIL - info@gandbprojects.co.uk

INTERNET - www.gandbprojects.co.uk

BY POST – Write to: G&B Projects Company, Barnards Green, Malvern, Worcestershire WR14 3LY.

IN PERSON – You are welcome to visit us at Barnards Green to discuss your requirements. Please telephone for an appointment and directions.

For enquiries and orders please call our sales team for immediate attention on (01684) 574367 or fax (01684) 560225.





Th)	CONTENTS NYLON PILLARS • Round • Hexagonal	4 6 — Nylon Pillars - Round 8 — Nylon Pillars - Hexagonal
-0	MICRO PILLARS	10 — Micro Pillars
5	NYLON SPACERS  • Clearance • Threaded	12 — Nylon Spacers - Clearance — — — — — — — — — — — — — — — — — — —
	BRASS SPACERS	16 — Brass Spacers ————————————————————————————————————
2	BRASS PILLARS	18 — Brass Pillars — — — — — — — — — — — — — — — — — — —
	STEEL PILLARS	20 — Steel Pillars — — —
1.	SCREWLOCK ASSEMBLIES	22 — Screwlock Assemblies — —
)	EARTHING BARS	23 — Earthing Bars
	MACHINED COMPONENTS	24 — Machined Components — — — — — — — — — — — — — — — — — — —
	TERMS AND CONDITIONS OF SALE	25



# **NYLON PILLARS**



OUR STANDARD NYLON PILLARS
COME IN ROUND, HEXAGONAL AND
MICRO SPECIFICATIONS.

# **ADAPTABILITY**

As well as keeping popular Nylon Pillar sizes in stock for immediate delivery, we also provide, in-house manufacture of any custom length\* at NO EXTRA COST. Our regular sizes increment in 5mm steps and also include exact metric equivalents to imperial sizes. The price for a custom length Pillar will be the same as that for the nearest longer standard size. For instance, that means a 22.6mm Pillar will cost you no more than a 25mm Pillar. Minimum order quantity remains at 100 units, as with our standard stock. Delivery for custom sizes is usually less than three days.

In addition, on-site manufacturing means we can rapidly and economically alter other attributes, such as body style, body diameter, thread type and thread length to your exact requirements. Our additional charge is just 15% for each customised attribute. As an example, you can specify a 37.5mm round Nylon Pillar featuring an M3 female insert at one end and a 20mm long M4 male thread at the other. The price would be the same as a 40mm Pillar plus 30% for the two special attributes. Delivery is normally less than one week.

<sup>\*</sup>above the minimum body length

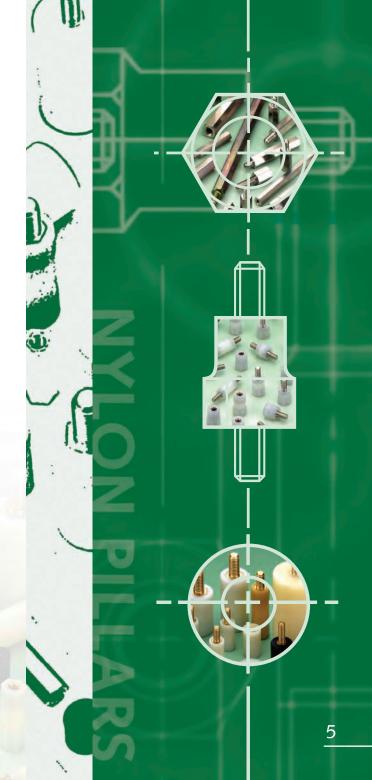
### **SHOCK RESISTANCE**

The innovative design of the G&B brass insert makes the standoff inherently resistant to shock from incidents that typically cause inferior products to fail, for example vibration in use, movement in transit, accidental falls, etc. The exceptional strength and resilience of our Nylon Pillars come from a combination of the solid body style and the location of the insert within the body. To date, we have never known a G&B-designed insert to disengage from the nylon body in any practical application.

As part of our development strategy, we continue to monitor plastics materials but currently insist upon deploying only the highest grade virgin Nylon 66 to deliver the superior characteristics you expect from G&B.

## **INSULATION**

In many applications, the specification for a supporting standoff calls for electrical insulation properties. Clearly, metal pillars cannot deliver this while solid plastic pillars are rarely able to provide the required strength. The optimum solution is a Nylon Pillar. G&B Nylon Pillars offer excellent insulation characteristics, thanks to the solid nylon body that minimises flashover and eliminates the internal current tracking issues found in some hollow designs. Mechanical resilience under compression comes from the high grade Nylon 66 material we deploy, while superior strength under tension is a function of our innovative insert design.



# **ROUND NYLON PILLARS**

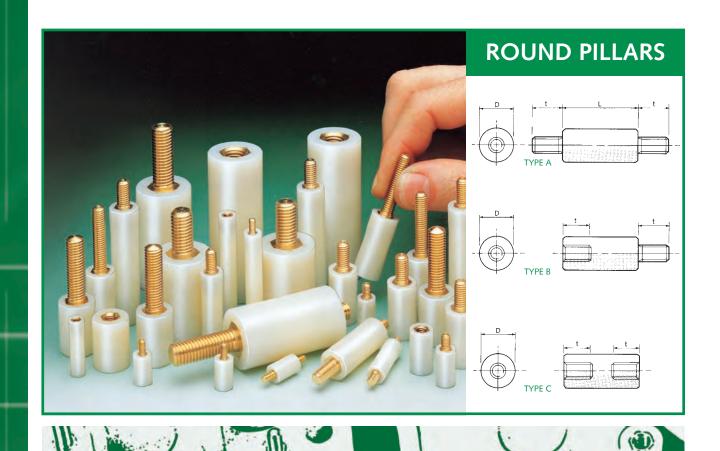


### **KEY FACTS**

- Material: Body Nylon 66 (natural) Inserts - Brass (self colour).
- Operating temperature: -30°C to +85°C.
  P.T.F.E. available for temperatures up to 250°C.
- Flammability ratings on application.
- All dimensions in millimetres.
- RoHS compliant.

### PRICING GUIDE

- All prices £/100.
- $\bullet$  When pricing intermediate body lengths refer to next largest size, e.g. NP8.0/29.0/B/M4 = £47.08/100.
- Minimum order 100 pieces.
- Attractive quantity discounts available.
- Carriage is charged on all orders.Plated inserts cost plus 10%.
- Special features such as non-standard thread lengths, odd ends etc. cost plus 15% per feature.
- Pillars with screwdriver slots, cross holes etc. available on request.



### NYLON PILLARS TYPE A, B or C

	M2, M2.5,	M3.5, M4	M5, 2BA,	M6, 0BA,	M8	M8	M10	M12
	M3,	4BA or	8-32 UNC	<sup>1</sup> /4 -20 UNC	or any	or any	or any	or any
Thread	6BA or	6-32 UNC	or any smaller			smaller	smaller	smaller
	4-40 UNC		thread listed	thread listed	thread listed	thread listed	thread listed	thread listed
Standard Thread Length or Depth 't'	6.0	6.0	10.0	12.7	14.0	14.0	20.0	25.0
Nominal Body Diameter 'D'	8.0 (6.5 on request)	8.0	9.5	12.7	15.9	19.0	25.0	30.0
Minimum Body Length 'L'	10.0	12.7	19.0	22.0	30.0	30.0	38.0	45.0

This is a pricing guide only. We can manufacture any body length you require, but please refer to above panel for minimum body length possible.

Please note in some instances the minimum body length can only be achieved by decreasing the standard thread depth.

	Body Length 'L' (Millimetres)				PRICES £'	s per 100	Type A.	B or C				
SPECIFY	Up to 15	38.68	40.57			- ро	.,,					
YOUR	Up to 25	41.59	43.84	50.71	50.71 62.45 79.14 95.64 160.36							
EXACT	Up to 35	44.48	47.08	54.49	68.97	88.31	107.85	186.17				
BODY	Up to 45	47.39	50.36	58.25	75.50	97.47	120.07	211.96	296.23			
LENGTH	Up to 55	50.28	53.61	62.01	82.02	106.62	132.28	237.77	332.34			
AT NO	Up to 65	53.17	56.87	65.78	88.54	115.79	144.49	263.56	368.44			
EXTRA	Up to 75	56.08	60.13	69.55	95.05	124.95	156.70	289.35	404.54			
CHARGE	Up to 85	58.97	63.40	73.32	101.58	134.11	168.92	315.17	440.65			
	Up to 95	61.87	66.65	77.08	108.10	143.28	181.12	340.96	476.76			
	Up to 105	64.76	69.92	80.85	114.62	152.43	193.34	366.77	512.85			

PRICES ON APPLICATION FOR BODY LENGTHS OVER 105mm

#### **SHOCK RESISTING • INSULATING • ADAPTABLE**

### **CUSTOM MADE PILLARS**

As well as keeping popular Nylon Pillar sizes in stock for immediate delivery, we also provide, in-house manufacture of any custom length\* at NO EXTRA COST. Our regular sizes increment in 5mm steps and also include exact metric equivalents to imperial sizes. The price for a custom length Pillar will be the same as that for the nearest longer standard size. For instance, that means a 22.6mm Pillar will cost you no more than a 25mm Pillar. Minimum order quantity remains at 100 units, as with our standard stock. Delivery for custom sizes is usually less than three days.

In addition, on-site manufacturing means we can rapidly and economically alter other attributes, such as body style, body diameter, thread type and thread length to your exact requirements. Our additional charge is just 15% for each customised attribute. As an example, you can specify a 37.5mm round Nylon Pillar featuring an M3 female insert at one end and a 20mm long M4 male thread at the other. The price would be the same as a 40mm Pillar plus 30% for the two special attributes. Delivery is normally less than one week.

\*above the minimum body length

Please note standard thread length and body diameter will be supplied unless stated otherwise.

PLEASE USE ORDERING CODE	NP 8	.0/2	5.0/	3/N	۸4
Nylon Pillar	J	ΓΞ			Γ
Body Diameter					
Body Length					
Type A, B or C					
Thread Size					

FREE SAMPLES ARE AVAILABLE FOR EVALUATION AND PROTOTYPES TEL: (01684) 574367 FAX: (01684) 560225

7

# **HEXAGONAL NYLON PILLARS**



### **KEY FACTS**

- Material: Body Nylon 66 (natural)
   Inserts Brass (self colour).
- Operating temperature: -30°C to +85°C.
- Flammability ratings on application.
- All dimensions in millimetres.
- RoHS compliant.

### **PRICING GUIDE**

- All prices £/100.
- Minimum order 100 pieces.
- Attractive quantity discounts available.
- Carriage is charged on all orders.
- Plated inserts cost plus 10%.
- Special features such as non-standard thread lengths, odd ends etc. are available.

### **CUSTOM MADE PILLARS**

In addition to our standard range of Hexagonal Nylon Pillars we offer a process which allows the body length, type and length of thread to be adjusted quickly and economically so that you may call for your exact requirements. However the best possible delivery is likely to be for the metric lengths listed opposite.



HEX	AGO	NAL NYLOI	N PIL	LARS TYPE A	Β, o	r C			
Th	read also available M2, M2.5 also available M3.5 also a		M5 also availab 2BA & 8-32 l		M6 also availabl 0BA & <sup>1</sup> /4 -20	le UNC			
Leng	read th and th 't'	6.0		6.0		10.0		12.7	
Body acros	y size ss flats	6.35 A/F		8.0 A/F		9.5 A/F		12.7 A/F	
		Order Code	£/100	Order Code £/		Order Code	£/100	Order Code	£/100
	15	HNP 15-A-M3 HNP 15-B- M3 HNP 15-C-M3	46.87	HNP 15-A-M4 HNP 15-B-M4 HNP 15-C-M4	49.19				
	20	HNP 20-A-M3 HNP 20-B-M3 HNP 20-C-M3	49.04	HNP 20-A-M4 HNP 20-B-M4 HNP 20-C-M4	51.50	HNP 20-A-M5 HNP 20-B-M5 HNP 20-C-M5	58.68		
	25	HNP 25-A-M3 HNP 25-B-M3 HNP 25-C-M3	51.28	HNP 25-A-M4 HNP 25-B-M4 HNP 25-C-M4	53.98	HNP 25-A-M5 HNP 25-B-M5 HNP 25-C-M5	61.66	HNP 25-A-M6 HNP 25-B-M6 HNP 25-C-M6	75.41
	30	HNP 30-A-M3 HNP 30-B-M3 HNP 30-C-M3	53.40	HNP 30-A-M4 HNP 30-B-M4 HNP 30-C-M4	56.29	HNP 30-A-M5 HNP 30-B-M5 HNP 30-C-M5	64.48	HNP 30-A-M6 HNP 30-B-M6 HNP 30-C-M6	79.98
etres)	35	HNP 35-A-M3 HNP 35-B-M3 HNP 35-C-M3	55.57	HNP 35-A-M4 HNP 35-B-M4 HNP 35-C-M4	58.61	HNP 35-A-M5 HNP 35-B-M5 HNP 35-C-M5	67.44	HNP 35-A-M6 HNP 35-B-M6 HNP 35-C-M6	84.48
. (Millime	40	HNP 40-A-M3 HNP 40-B-M3 HNP 40-C-M3	57.81	HNP 40-A-M4 HNP 40-B-M4 HNP 40-C-M4	61.07	HNP 40-A-M5 HNP 40-B-M5 HNP 40-C-M5	70.20	HNP 40-A-M6 HNP 40-B-M6 HNP 40-C-M6	88.89
Body Length 'Ľ (Millimetres)	45	HNP 45-A-M3 HNP 45-B-M3 HNP 45-C-M3	59.92	HNP 45-A-M4 HNP 45-B-M4 HNP 45-C-M4	63.47	HNP 45-A-M5 HNP 45-B-M5 HNP 45-C-M5	73.10	HNP 45-A-M6 HNP 45-B-M6 HNP 45-C-M6	93.31
Body I	50	HNP 50-A-M3 HNP 50-B-M3 HNP 50-C-M3	62.09	HNP 50-A-M4 HNP 50-B-M4 HNP 50-C-M4	65.78	HNP 50-A-M5 HNP 50-B-M5 HNP 50-C-M5	75.92	HNP 50-A-M6 HNP 50-B-M6 HNP 50-C-M6	97.81
	55			HNP 55-A-M4 HNP 55-B-M4 HNP 55-C-M4	68.03	HNP 55-A-M5 HNP 55-B-M5 HNP 55-C-M5	78.75	HNP 55-A-M6 HNP 55-B-M6 HNP 55-C-M6	102.22
	60			HNP 60-A-M4 HNP 60-B-M4 HNP 60-C-M4	70.43	HNP 60-A-M5 HNP 60-B-M5 HNP 60-C-M5	81.64	HNP 60-A-M6 HNP 60-B-M6 HNP 60-C-M6	106.65
	65			HNP 65-A-M4 HNP 65-B-M4 HNP 65-C-M4	72.67	HNP 65-A-M5 HNP 65-B-M5 HNP 65-C-M5	84.55	HNP 65-A-M6 HNP 65-B-M6 HNP 65-C-M6	111.06
	70			HNP 70-A-M4 HNP 70-B-M4 HNP 70-C-M4	74.98	HNP 70-A-M5 HNP 70-B-M5 HNP 70-C-M5	87.37	HNP 70-A-M6 HNP 70-B-M6 HNP 70-C-M6	115.47
	75			HNP 75-A-M4 HNP 75-B-M4 HNP 75-C-M4	77.37	HNP 75-A-M5 HNP 75-B-M5 HNP 75-C-M5	90.20	HNP 75-A-M6 HNP 75-B-M6 HNP 75-C-M6	119.97

SHOCK RESISTING • INSULATING • ADAPTABLE

PLEASE USE ORDERING CODE Hexagonal Nylon Pillar	HNP 25-B- M3
Body Length	
Type A, B or C	
Thread Size	

# **MICRO PILLARS**



### **KEY FACTS**

- Body Nylon 6 (natural) • Material: Insert – Brass (bright nickel).
- Operating temperature: -30°C to +85°C.
- Flammability ratings on application.
- All dimensions in millimetres.
- RoHS compliant.

### PRICING GUIDE

- All prices £/100.
- Minimum order 100 pieces.
- Attractive quantity discounts available.
  Carriage is charged on all orders.



### M2.5 MICRO PILLARS

1412.5	MICKO PILLA	13						
	TYPE A Body A/F: 6n	nm	TYPE B Body A/F: 6m	ım	TYPE C Body A/F: 6mi	m		
Body Length 'L' (Millimetres)	Threads: M2	5	Threads: M2	5	Threads: M2.5			
"	Order Code	£/100	Order Code	£/100	Order Code £/100			
	Order Code	27 100	Order Code	27100	2.33. 233			
4	MP 04-A-M2.5							
5	MP 05-A-M2.5	30.21						
6	MP 06-A-M2.5							
7	MP 07-A-M2.5		MP 07-B-M2.5					
8	MP 08-A-M2.5	31.16	MP 08-B-M2.5	31.16				
9	MP 09-A-M2.5		MP 09-B-M2.5		MP 09-C-M2.5	31.16		
10	MP 10-A-M2.5		MP 10-B-M2.5		MP 10-C-M2.5			
11	MP 11-A-M2.5	33.33	MP 11-B-M2.5	33.33	MP 11-C-M2.5 33.33			
12	MP 12-A-M2.5		MP 12-B-M2.5		MP 12-C-M2.5			

### M3 MICRO PILLARS

1413 14	IICKO FILLAKS							
	<b>TYPE A</b> Body A/F: 7m	m	TYPE B Body A/F: 7m	m	TYPE C Body A/F: 7mm			
Body Length 'L' (Millimetres)								
Bo	Threads: M3		Threads: M3	3	Threads: M3			
	Order Code	£/100	Order Code	£/100	Order Code	£/100		
4	MP 04-A-M3							
5	MP 05-A-M3	30.21						
6	MP 06-A-M3							
7	MP 07-A-M3		MP 07-B-M3					
8	MP 08-A-M3	31.16	MP 08-B-M3	31.16				
9	MP 09-A-M3		MP 09-B-M3		MP 09-C-M3	31.16		
10	MP 10-A-M3		MP 10-B-M3		MP 10-C-M3			
11	MP 11-A-M3	33.33	MP 11-B-M3	33.33	MP 11-C-M3 33.33			
12	MP 12-A-M3		MP 12-B-M3		MP 12-C-M3			

PLEASE USE ORDERING CODE	MP 08-B-M2.5
Micro Pillar	
Body Length	
Type A, B or C	
Thread Size	

FREE SAMPLES ARE AVAILABLE FOR EVALUATION AND PROTOTYPES

# **NYLON CLEARANCE SPACERS**



#### **KEY FACTS**

- Material: Nylon 6.
- Colour: Natural.
- Operating temperature: -30°C to +85°C.
- Flammability ratings on application.
- All dimensions in millimetres.
- RoHS compliant.

### **PRICING GUIDE**

- All prices £/100.
- Minimum order 500 pieces.
- Attractive quantity discounts available.
- Carriage is charged on all orders.

### **CUSTOM MADE SPACERS**

Do not worry if the part you require is not listed - we specialise in producing non-standard Spacers in a wide range of materials at very competitive prices. With this in mind we invite you to specify your requirements however large or small. Alternative body colours are also available for a small surcharge.



#### **CLEARANCE SPACERS M2 - M5** Body Length (Millimetres) 5.0 2.2 6.0 2.7 6.0 3.2 3.7 4.3 5.3 8.0 9.5 Suitable for Suitable for Suitable for Suitable for Suitable for Suitable for M2 Clear M2.5 Clear M3 Clear M3.5 Clear M4 Clear M5 Clear Order Code Order Code £/100 Order Code £/100 £/100 Order Code £/100 Order Code £/100 Order Code £/100 2 NS 02-22 9.80 NS 02-27 10.15 NS 02-32 10.15 NS 02-37 10.51 NS 02-43 10.51 NS 02-53 12.03 3 NS 03-22 9.80 NS 03-27 10.15 NS 03-32 10.15 NS 03-37 10.51 NS 03-43 10.51 NS 03-53 12.03 NS 04-32 NS 04-37 NS 04-43 4 NS 04-22 9.80 NS 04-27 10.15 10.15 10.51 10.51 NS 04-53 12.03 5 NS 05-22 9.80 NS 05-27 10.15 NS 05-32 10.15 NS 05-37 10.51 NS 05-43 10.51 NS 05-53 12.03 6 NS 06-22 9.98 NS 06-27 10.30 NS 06-32 10.30 NS 06-37 10.73 NS 06-43 10.73 NS 06-53 12.17 7 NS 07-22 9.98 NS 07-27 10.30 NS 07-32 10.30 NS 07-37 10.73 NS 07-43 10.73 NS 07-53 12.17 8 NS 08-22 9.98 NS 08-27 10.30 NS 08-32 10.30 NS 08-37 10.73 NS 08-43 10.73 NS 08-53 12.17 9 NS 09-22 9.98 NS 09-27 10.30 NS 09-32 10.30 NS 09-37 10.73 NS 09-43 10.73 NS 09-53 12.17 NS 10-22 10.51 10.51 NS 10-37 11.14 NS 10-43 10 10.15 NS 10-27 NS 10-32 11.14 NS 10-53 12.53 NS 11-22 NS 11-27 NS 11-32 10.51 NS 11-37 NS 11-43 11 10 15 10.51 11.14 11 14 NS 11-53 12 53 12 NS 12-22 10.15 NS 12-27 10.51 NS 12-32 10.51 NS 12-37 11.14 NS 12-43 11.14 NS 12-53 12.53 13.91 13 NS 13-32 13.48 NS 13-43 NS 13-53 15.66 14 NS 14-32 13.48 NS 14-43 13.91 NS 14-53 15.66 15 NS 15-32 13.48 NS 15-43 13.91 NS 15-53 15.66 Available on Available on NS 16-32 16.23 NS 16-43 16.65 NS 16-53 18.76 16 application application 17 NS 17-32 16.23 NS 17-43 16.65 NS 17-53 18.76

16.23

16.23

16.23

NS 18-32

NS 19-32

NS 20-32

PLEASE USE
ORDERING CODE NS 07 - 27
Nylon Spacer TBody Length Hole Size

NS 18-53

NS 19-53

NS 20-53

16.65

16.65

16.65

18.76

18.76

18.76

NS 18-43

NS 19-43

NS 20-43

### CLEARANCE SPACERS M6 - M12

18

19

20

Body Length (Millimetres)	12.7 6.3		15.9 8.5		22.0 10.5		25.0 12.7			
Body (Mill	Suitable for M6 Clear		Suitable fo M8 Clear	r	Suitable fo M10 Clea		Suitable for M12 Clear			
	Order Code	Order Code £/100 Order Code £/100		Order Code	£/100	Order Code	£/100			
5	NS 05-63	12.32	NS 05-85	13.62	NS 05-105	23.41	NS 05-127	25.51		
10	NS 10-63	12.69	NS 10-85 13.91		NS 10-105 23.76		NS 10-127	26.30		
15	NS 15-63	16.31	NS 15-85	17.96	NS 15-105	30.43	NS 15-127	33.33		
20	NS 20-63	19.26	NS 20-85 21.38		NS 20-105	31.94	NS 20-127	35.13		
25	NS 25-63	22.31	NS 25-85	24.63	NS 25-105 36.96		NS 25-127	40.79		

PLEASE USE
ORDERING CODE NS 15 - 85
Nylon Spacer \_\_\_\_\_\_\_ Body Length \_\_\_\_\_\_ Hole Size \_\_\_\_\_\_

FREE SAMPLES ARE AVAILABLE FOR EVALUATION AND PROTOTYPES

# **NYLON THREADED SPACERS**



#### **KEY FACTS**

- Material: Nylon 6.
- Colour: Natural.
- Operating temperature: -30°C to +85°C.
- Flammability ratings on application.
- All dimensions in millimetres.
- RoHS compliant.

### **PRICING GUIDE**

- All prices £/100.
- Minimum order 500 pieces.
- Attractive quantity discounts.
- Carriage is charged on all orders.

### **CUSTOM MADE SPACERS**

Do not worry if the part you require is not listed - we specialise in producing non-standard Spacers in a wide range of materials at very competitive prices. With this in mind we invite you to specify your requirements however large or small. Alternative body colours are also available for a small surcharge.



T	HREAI	DEI	O SPAC	CEF	RS M2	2.5	- M5											
Body Length (Millimetres)	6.0 M2.5	)	5.5 A/F M2.5	)	6.0 M3		5.5 A/F	)	8.0 M3.5	0	7.0A/F M3.5 1	)	8.0 M4		7.0A/F		9.5 M5 (	
Body	M2.5	5	M2.5		M3		M3		M3.5	5	M3.5		M4		M4		M5	
	Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100
3	NS 03-M2.5	12.82	HNS 03-M2.5	12.82	NS 03-M3	12.82	HNS 03-M3	12.82	NS03-M3.5	13.48	HNS 03-M3.5	13.48	NS 03-M4	13.48	HNS 03-M4	13.48	NS 03-M5	14.99
4	NS 04-M2.5	12.82	HNS 04-M2.5	12.82	NS 04-M3	12.82	HNS 04-M3	12.82	NS 04-M3.5	13.48	HNS 04-M3.5	13.48	NS 04-M4	13.48	HNS 04-M4	13.48	NS 04-M5	14.99
5	NS 05-M2.5	12.82	HNS 05-M2.5	12.82	NS 05-M3	12.82	HNS 05-M3	12.82	NS 05-M3.5	13.48	HNS 05-M3.5	13.48	NS 05-M4	13.48	HNS 05-M4	13.48	NS 05-M5	14.99
6	NS 06-M2.5	12.98	HNS 06-M2.5	12.98	NS 06-M3	12.98	HNS 06-M3	12.98	NS 06-M3.5	13.62	HNS 06-M3.5	13.62	NS 06-M4	13.62	HNS 06-M4	13.62	NS 06-M5	15.14
7	NS 07-M2.5	12.98	HNS 07-M2.5	12.98	NS 07-M3	12.98	HNS 07-M3	12.98	NS07-M3.5	13.62	HNS 07-M3.5	13.62	NS 07-M4	13.62	HNS 07-M4	13.62	NS 07-M5	15.14
8	NS 08-M2.5	12.98	HNS 08-M2.5	12.98	NS 08-M3	12.98	HNS 08-M3	12.98	NS08-M3.5	13.62	HNS 08-M3.5	13.62	NS 08-M4	13.62	HNS 08-M4	13.62	NS 08-M5	15.14
9	NS 09-M2.5	12.98	HNS 09-M2.5	12.98	NS 09-M3	12.98	HNS 09-M3	12.98	NS09-M3.5	13.62	HNS 09-M3.5	13.62	NS 09-M4	13.62	HNS 09-M4	13.62	NS 09-M5	15.14
10	NS 10-M2.5	13.18	HNS 10-M2.5	13.18	NS 10-M3	13.18	HNS 10-M3	13.18	NS 10-M3.5	13.78	HNS 10-M3.5	13.78	NS 10-M4	13.78	HNS 10-M4	13.78	NS 10-M5	15.37
11	NS 11-M2.5	13.18	HNS 11-M2.5	13.18	NS 11-M3	13.18	HNS 11-M3	13.18	NS11-M3.5	13.78	HNS 11-M3.5	13.78	NS 11-M4	13.78	HNS 11-M4	13.78	NS 11-M5	15.37
12	NS 12-M2.5	13.18	HNS 12-M2.5	13.18	NS 12-M3	13.18	HNS 12-M3	13.18	NS 12-M3.5	13.78	HNS 12-M3.5	13.78	NS 12-M4	13.78	HNS 12-M4	13.78	NS 12-M5	15.37
13					NS 13-M3	16.51	HNS 13-M3	16.51					NS 13-M4	17.45	HNS 13-M4	17.45	NS 13-M5	19.21
14					NS 14-M3	16.51	HNS 14-M3	16.51					NS 14-M4	17.45	HNS 14-M4	17.45	NS 14-M5	19.21
15					NS 15-M3	16.51	HNS 15-M3	16.51					NS 15-M4	17.45	HNS 15-M4	17.45	NS 15-M5	19.21
16					NS 16-M3	19.84							NS 16-M4	20.94			NS 16-M5	22.97
17					NS 17-M3	19.84							NS 17-M4	20.94			NS 17-M5	22.97
18					NS 18-M3	19.84							NS 18-M4	20.94			NS 18-M5	22.97
19					NS 19-M3	19.84							NS 19-M4	20.94			NS 19-M5	22.97
20					NS 20-M3	19.84							NS 20-M4	20.94			NS 20-M5	22.97

# **CLEARANCE & THREADED BRASS SPACERS**



### **KEY FACTS**

- Material: Brass (CZ 121).
- Finish: Bright nickel.
- All dimensions in millimetres.
- RoHS compliant.

### **PRICING GUIDE**

- All prices £/100.
- Minimum order 500 pieces.
- Attractive quantity discounts available.
- Carriage is charged on all orders.

### **CUSTOM MADE SPACERS**

Do not worry if the part you require is not listed - we specialise in producing non-standard Spacers in a wide range of materials at very competitive prices. With this in mind we invite you to specify your requirements however large or small.



## CLEARANCE SPACERS

Body Length (Millimetres)	4.0 2.2 6.0 2.7		6.0 3.2		8.0 4.3		10.0 5.3			
Bod (Mi	Suitable fo M2 Clear		Suitable f M2.5 Cle			Suitable for M3 Clear		or r	Suitable f M5 Clea	
	Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100
3 4 5	BS 03-22 BS 04-22 BS 05-22	12.89 12.89 12.89	BS 03-27 BS 04-27 BS 05-27	13.55 13.55 13.55	BS 03-32 BS 04-32 BS 05-32	13.55 13.55 13.55	BS 03-43 BS 04-43 BS 05-43	14.41 14.41 14.41	BS 03-53 BS 04-53 BS 05-53	22.18 22.18 22.18
6 7 8 9	BS 06-22 BS 07-22 BS 08-22 BS 09-22	BS 07-22 13.04 BS 07-27 13.70 BS 08-22 13.04 BS 08-27 13.70		13.70 13.70 13.70 13.70	BS 06-32 BS 07-32 BS 08-32 BS 09-32	13.70 13.70 13.70 13.70	BS 06-43 BS 07-43 BS 08-43 BS 09-43	14.77 14.77 14.77 14.77	BS 06-53 BS 07-53 BS 08-53 BS 09-53	22.75 22.75 22.75 22.75
10 11 12	BS 10-22 BS 11-22 BS 12-22	BS 10-22 13.55 BS 10-27 14.13 B BS 11-22 13.55 BS 11-27 14.13 B		BS 10-32 BS 11-32 BS 12-32	14.13 14.13 14.13	BS 10-43 BS 11-43 BS 12-43	15.22 15.22 15.22	BS 10-53 BS 11-53 BS 12-53	23.41 23.41 23.41	
13 14 15		Availa	ble on		BS 13-32 BS 14-32 BS 15-32	17.76 17.76 17.76	BS 13-43 BS 14-43 BS 15-43	19.00 19.00 19.00	BS 13-53 BS 14-53 BS 15-53	27.75 27.75 27.75
20		applic			BS 20-32	21.24	BS 20-43	25.65	BS 20-53	39.35
25					BS 25-32	24.71	BS 25-43	32.38	BS 25-53	49.78
30					BS 30-32	28.09	BS 30-43	39.12	BS 30-53	59.99

PLEASE USE ORDERING CODE BS 04 - 27
Brass Clearance Spacer Body Length Hole Size

# THREADED SPACERS

Body Length (Millimetres)	4.0A/F M2 N2		5.5A/F N2.5		5.5A/F M3 L		7.0A/F M4 ( )		8.0A/F M5	
§ 80	M2		M2.5		M3		M4		M5	
	Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100
3	BS 03-M2	21.24	BS 03-M2.5	16.96	BS 03-M3	16.96	BS 03-M4	18.17	BS 03-M5	27.81
4	BS 04-M2	21.24	BS 04-M2.5	16.96	BS 04-M3	16.96	BS 04-M4	18.17	BS 04-M5	27.81
5	BS 05-M2	21.24	BS 05-M2.5	16.96	BS 05-M3	16.96	BS 05-M4	18.17	BS 05-M5	27.81
6	BS 06-M2	26.03	BS 06-M2.5	17.45	BS 06-M3	17.45	BS 06-M4	18.48	BS 06-M5	28.31
7	BS 07-M2	26.03	BS 07-M2.5	17.45	BS 07-M3	17.45	BS 07-M4	18.48	BS 07-M5	28.31
8	BS 08-M2	26.03	BS 08-M2.5	17.45	BS 08-M3	17.45	BS 08-M4	18.48	BS 08-M5	28.31
9	BS 09-M2	26.03	BS 09-M2.5	17.45	BS 09-M3	17.45	BS 09-M4	18.48	BS 09-M5	28.31
10	BS 10-M2	31.00	BS 10-M2.5	17.76	BS 10-M3	17.76	BS 10-M4	18.91	BS 10-M5	28.84
11	BS 11-M2	31.00	BS 11-M2.5	17.76	BS 11-M3	17.76	BS 11-M4	18.91	BS 11-M5	28.84
12	BS 12-M2	31.00	BS 12-M2.5	17.76	BS 12-M3	17.76	BS 12-M4	18.91	BS 12-M5	28.84
13		hla an	BS 13-M3	22.24	BS 13-M4	23.83	BS 13-M5	36.51		
14		Available on application			BS 14-M3	22.24	BS 14-M4	23.83	BS 14-M5	36.51
15		арріі	cauon		BS 15-M3	22.24	BS 15-M4	23.83	BS 15-M5	36.51

FREE SAMPLES ARE AVAILABLE FOR EVALUATION AND PROTOTYPES

PLEASE USE ORDERING CODE	BS 08 - M2.5
Brass Threaded Spacer	
Body Length	
Thread Size	

# **BRASS PILLARS**



### **KEY FACTS**

- Material: Brass (CZ 121).
- Finish: Bright nickel.
- All dimensions in millimetres.
- TYPE A (Male/Male) Brass Pillars are available on request.
- RoHS compliant.

### **PRICING GUIDE**

- All prices £/100.
- Minimum order 100 pieces.
- Attractive quantity discounts available.
- Carriage is charged on all orders.

### **CUSTOM MADE PILLARS**

Do not worry if the part you require is not listed - we offer a process which allows the body length and thread type to be adjusted quickly and economically. We also specialise in producing non-standard Pillars in a wide range of materials at very competitive prices. With this in mind we invite you to specify your requirements however large or small. Type A (Male/Male) Brass Pillars are available on request.



### TYPE B

Т	hread	M2		M2.5		M3		M4		M5		M6	
Len	Thread Length and 6.0 Depth 't'		6.0		6.0		6.0		10.0		12.7		
			Please n	ote depth of the	read will	be reduced wh	nere body	/ length 'L' is le	ess than	thread depth "	t'		
	Body Size Across Flats 4.0 A/F		F	5.5 A/F		5.5 A	5.5 A/F		7.0 A/F		8.0 A/F		/F
		Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100
	5	BP 05-B-M2	41.07	BP 05-B-M2.5	43.24	BP 05-B-M3	43.24	BP 05-B-M4	45.80			Available on	
	10	BP 10-B-M2	44.91	BP 10-B-M2.5	47.15	BP 10-B-M3	47.15	BP 10-B-M4	50.28	BP 10-B-M5	55.72	applicatio	on
(Millimetres)	15	BP 15-B-M2	48.47	BP 15-B-M2.5	51.07	BP 15-B-M3	51.07	BP 15-B-M4	54.62	BP 15-B-M5	61.23	BP 15-B-M6	73.12
lime	20	BP 20-B-M2	52.01	BP 20-B-M2.5	54.84	BP 20-B-M3	54.84	BP 20-B-M4	59.18	BP 20-B-M5	66.65	BP 20-B-M6	82.64
	25	BP 25-B-M2	55.79	BP 25-B-M2.5	58.74	BP 25-B-M3	58.74	BP 25-B-M4	63.47	BP 25-B-M5	72.08	BP 25-B-M6	92.08
Ή 'Ľ	30	BP 30-B-M2	59.56	BP 30-B-M2.5	62.74	BP 30-B-M3	62.74	BP 30-B-M4	67.95	BP 30-B-M5	77.36	BP 30-B-M6	101.68
Length	35	BP 35-B-M2	63.40	BP 35-B-M2.5	66.65	BP 35-B-M3	66.65	BP 35-B-M4	72.37	BP 35-B-M5	83.02	BP 35-B-M6	111.00
Body L	40	BP 40-B-M2	67.09	BP 40-B-M2.5	70.56	BP 40-B-M3	70.56	BP 40-B-M4	76.79	BP 40-B-M5	88.46	BP 40-B-M6	120.58
BG	45	BP 45-B-M2	70.93	BP 45-B-M2.5	74.77	BP 45-B-M3	74.77	BP 45-B-M4	81.20	BP 45-B-M5	94.01	BP 45-B-M6	130.03
	50	BP 50-B-M2	74.77	BP 50-B-M2.5	78.61	BP 50-B-M3	78.61	BP 50-B-M4	85.55	BP 50-B-M5	99.16	BP 50-B-M6	139.63

### TYPE C

	1 1 L C												
	Thread	M2		M2.5		M3		M4		M5		M6	
D	Thread epth 't'	6.0	6.0 6.0 6.0			6.0		10.0		12.7			
			Please no	ote depth of thr	ead will l	oe reduced wh	ere body	/ length 'L' is le	ss than t	hread depth 't	.i		
Body Size Across Flats		4.0 A/F		5.5 A/F 5.5 A/F		'F	7.0 A/F		8.0 A/F		10.0 A/F		
		Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100
(5:	5 10	Available on application		Available on application Available application			Available on application		Available on application		Available on		
etre	15	BP 15-C-M2	48.47	BP 15-C-M2.5	51.07							application	
i.E	20	BP 20-C-M2	52.01	BP 20-C-M2.5	54.84	BP 20-C-M3	54.84	BP 20-C-M4	59.18	BP 20-C-M5	66.65		
'L' (Millimetres)	25	BP 25-C-M2	55.79	BP 25-C-M2.5	58.74	BP 25-C-M3	58.74	BP 25-C-M4	63.47	BP 25-C-M5	72.08	BP 25-C-M6	92.08
, 다	30	BP 30-C-M2	59.56	BP 30-C-M2.5	62.74	BP 30-C-M3	62.74	BP 30-C-M4	67.95	BP 30-C-M5	77.36	BP 30-C-M6	101.68
Length	35	BP 35-C-M2	63.40	BP 35-C-M2.5	66.65	BP 35-C-M3	66.65	BP 35-C-M4	72.37	BP 35-C-M5	83.02	BP 35-C-M6	111.00
Body L	40	BP 40-C-M2	67.09	BP 40-C-M2.5	70.56	BP 40-C-M3	70.56	BP 40-C-M4	76.79	BP 40-C-M5	88.46	BP 40-C-M6	120.58
BG	45	BP 45-C-M2	70.93	BP 45-C-M2.5	74.77	BP 45-C-M3	74.77	BP 45-C-M4	81.20	BP 45-C-M5	94.01	BP 45-C-M6	130.03
	50	BP 50-C-M2	74.77	BP 50-C-M2.5	78.61	BP 50-C-M3	78.61	BP 50-C-M4	85.55	BP 50-C-M5	99.16	BP 50-C-M6	139.63

FREE SAMPLES ARE AVAILABLE FOR EVALUATION AND PROTOTYPES

PLEASE USE C Brass Pillar — Body Length _ Type C —	PRDERING CODI	BP 20-C-M3
Thread Size		

# STEEL PILLARS



### **KEY FACTS**

- Material: Mild steel (230M07).
- Finish: Zinc and passivate.
- All dimensions in millimetres.
- Type A (Male/Male) and Type C (Female/Female) Steel Pillars are available on request.
- RoHS compliant.

### **PRICING GUIDE**

- All prices £/100.
- Minimum order 100 pieces.
- Attractive quantity discounts available.
- Carriage is charged on all orders.

### **CUSTOM MADE PILLARS**

Do not worry if the part you require is not listed - we offer a process which allows the body length and thread type to be adjusted quickly and economically. We also specialise in producing non-standard Pillars in a wide range of materials at very competitive prices. With this in mind we invite you to specify your requirements however large or small. Type A (Male/Male) & Type C (Female/Female) Steel Pillars are available on request.



### STEEL PILLARS

SIE	EL PILI	-WV2							
Thread		M3		M4		M5		M6	
Thread Length and Depth 't'		6.0		6.0		10.0		12.0	
		Please note	depth of the	read will be reduced w	here body le	ength 'L' is less than	thread depth	ı 't'	
	ody Size oss Flats	5.5 A/F		7.0 A/F		8.0 A/F		10.0 A/F	
		Order Code	£/100	Order Code	£/100	Order Code	£/100	Order Code	£/100
	5	SP 05-B-M3	43.24	SP 05-B-M4	45.80			Available on	
	10	SP 10-B-M3	47.15	SP 10-B-M4	50.28	SP 10-B-M5	55.72	application	
(Se	15	SP 15-B-M3	51.07	SP 15-B-M4	54.62	SP 15-B-M5	61.23	SP 15-B-M6	73.12
Body Length 'L' (Millimetres)	20	SP 20-B-M3	54.84	SP 20-B-M4	59.18	SP 20-B-M5	66.65	SP 20-B-M6	82.64
₩.	25	SP 25-B-M3	58.74	SP 25-B-M4	63.47	SP 25-B-M5	72.08	SP 25-B-M6	92.08
Sth 'Ľ	30	SP 30-B-M3	62.74	SP 30-B-M4	67.95	SP 30-B-M5	77.36	SP 30-B-M6	101.68
, Leng	35	SP 35-B-M3	66.65	SP 35-B-M4	72.37	SP 35-B-M5	83.02	SP 35-B-M6	111.00
Body	40	SP 40-B-M3	70.56	SP 40-B-M4	76.79	SP 40-B-M5	88.46	SP 40-B-M6	120.58
	45	SP 45-B-M3	74.77	SP 45-B-M4	81.20	SP 45-B-M5	94.01	SP 45-B-M6	130.03
	50	SP 50-B-M3 78.61		SP 50-B-M4	85.55	SP 50-B-M5	99.16	SP 50-B-M6	139.63



FREE SAMPLES ARE AVAILABLE FOR EVALUATION AND PROTOTYPES TEL: (01684) 574367 FAX: (01684) 560225



### **KEY FACTS**

- Material: Mild steel (230M07).
- Finish: Zinc and passivate.
- All dimensions in millimetres.
- · RoHS compliant.

### **PRICING GUIDE**

- All prices £/100.
- Minimum order 100 pieces.
- Carriage is charged on all orders.

### **CUSTOM MADE SCREWLOCK ASSEMBLIES**

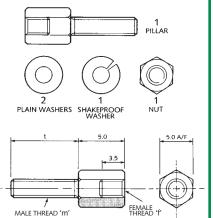
Do not worry if the part you require is not listed - we can produce Screwlocks with alternative threads in varying combinations of male and female terminations. With this in mind we invite you to specify your individual requirements however large or small.

### **SCREWLOCK ASSEMBLIES**

Order Code	Thread Length	Female Thread	Male Thread	Price £/100 Kits						
Order Code	't'	'f'	'm'	100	500	1000	2500	5000	10000	
SCA05-05-4UNC	5.0	4-40UNC	4-40UNC	32.31	31.53	30.71	28.97	25.13	20.35	
SCA05-08-4UNC	8.0	4-40UNC	4-40UNC	33.77	33.03	32.10	30.36	26.36	21.24	
SCA05-08-4UNCF/M3M	8.0	4-40UNC	M3	33.77	33.03	32.10	30.36	26.36	21.24	
SCA05-08-M3F/4UNCM	8.0	M3	4-40UNC	33.77	33.03	32.10	30.36	26.36	21.24	
SCA05-08-M3	8.0	M3	M3	33.77	33.03	32.10	30.36	26.36	21.24	
SCA05-10-4UNC	10.0	4-40UNC	4-40UNC	35.29	34.42	33.40	31.66	27.60	22.18	
SCA05-13-4UNC	13.0	4-40UNC	4-40UNC	36.59	35.94	34.78	33.03	28.62	23.03	
SCA05-145-4UNC	14.5	4-40UNC	4-40UNC	37.96	37.23	36.16	34.27	29.70	23.92	



# SCREWLOCK ASSEMBLIES















# **EARTHING BARS**





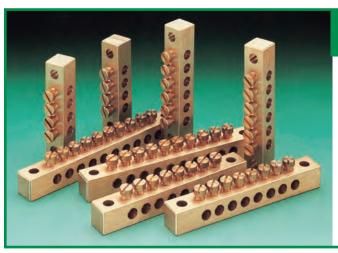
### **KEY FACTS**

All of our Earthing Bars are manufactured from brass, and are designed to provide an economical and effective means of earthing. In addition to our standard range, we specialise in manufacturing custom made Earthing Bars and strips to your individual requirements, at very competitive prices, in alternative materials such as copper.

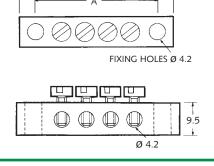
• RoHS compliant.

### **EARTHING BARS**

	'A'	'B'	Price Each
4-way	34mm	44mm	2.67
5-way	40mm	50mm	2.82
6-way	46mm	56mm	2.96
7-way	52mm	62mm	3.19
8-way	58mm	68mm	3.37
9-way	64mm	74mm	3.53
10-way	70mm	80mm	3.67
11-way	76mm	86mm	3.83
12-way	82mm	92mm	4.05
13-way	88mm	98mm	4.26
14-way	94mm	104mm	4.44
15-way	100mm	110mm	4.68



# **EARTHING BARS**





# **MACHINED COMPONENTS**



### DO YOU REQUIRE PRECISION MACHINED COMPONENTS?

At G&B Projects, we pride ourselves on being a small company offering our customers an outstanding, truly personal service.

If you need machined components and assemblies of any type, in any material, in large or small quantities, give us a call and we'll do our best to help.

All work is strictly monitored under the quality procedures of BS EN ISO 9001:2008 to ensure that you receive quality products, manufactured to the highest standard, every time.

Tel: (01684) 574367 Fax: (01684) 560225





# **TERMS & CONDITIONS OF SALE**

Unless otherwise agreed in writing, all orders are accepted subject to the following Terms and Conditions, which alone shall apply in the Contract to the exclusion of any terms or conditions proposed by the customer.

### **Prices and Quotations**

- a) All orders are accepted on the understanding that the merchandise will be charged at the prices ruling on the date of despatch unless the prices have been made firm for an agreed period.
  - (b) Quotations and times for despatch are conditional on complete details of the customers' requirements having been supplied. Time will run only from the date when all requisite information is supplied.

#### **Delays in Delivery**

- 2. (a) The Company will not be responsible in any way for any loss, damage or delay due to strikes, lockouts, labour conditions, transport delays, material shortages, breakdown of machinery, fire, accidents of any kind, perils of land, sea or air, or any other cause or contingency whatsoever beyond the control of the Company whether within the meaning of the before mentioned causes or not and whether in respect of deliveries to or by the Company.
  - (b) In the event of the fulfilment of the Contract being impeded, frustrated or prevented in consequence of war or the operation of any regulation or Order made by any statutory or duly constituted Authority, the customer shall pay for all goods delivered, work executed or expenses incurred in connection with the Contract up to the date of the occurrence and the Company's responsibility for further performance or fulfilment of the Contract shall cease.
  - (c) Any terms as to rate or time of delivery are not to be deemed of the essence of the Contract and no guarantee can be given or implied with regards thereto.

#### **Instalment Deliveries**

3. Where, by the Contract, deliveries are to be made by instalments or work executed over a stated period, payment for deliveries made and work executed, strictly in accordance with the terms of the Contract, shall be a condition precedent to further deliveries being made or work executed under the Contract.

#### Carriage and Packing

 Carriage and packing will be charged extra unless otherwise agreed. The Company reserves the right to deliver in more than one shipment at its discretion.

#### Delivery

5. If the customer fails to accept delivery of merchandise ready

for delivery at the agreed date the Company reserves the right to invoice such merchandise and to require payment therefore in the usual way.

#### Loss or Damaged in Transit

6. Except where delivered by the Company's transport and then only when damage or shortage is advised in writing within seven days of receipt, no responsibility will be accepted for loss or damage in transit other than that (if any) accepted by the carrier whose conditions must be complied with.

#### Title

- Title to and property in the goods shall remain vested in the Company (notwithstanding the delivery of possession of the same and passing of the risk therein to the customer) until:-(a) The price of the goods (and/or services) comprised in this Contract. and
  - (b) All other monies due from the customer to the Company on any other account have been paid or satisfied in full.

#### **Descriptive Matter, Performance Figures**

8. Drawings, designs, photographs and other descriptive matter are for the purpose of description only and shall not form part of the Contract. Performance figures given are approximate only and not guaranteed.

#### **Guarantee and General Liability**

9. The Company gives no guarantee on any merchandise supplied other than that (if any) available to them from their suppliers at the time such guarantee is invoked. Except as mentioned above the Company gives no warranty and no condition or warranty shall be implied whether under the Sale of Goods Act, 1983, or otherwise as to the fitness of the goods for any particular purpose or as to their quality or otherwise. The customer shall be deemed to have satisfied himself as to the quality of all merchandise ordered and to its fitness for the purpose for which it is required and to have relied exclusively on his own skill and judgement in ordering the same. The Company will not be responsible for any damage or injury direct, incidental or consequential to the customer or to other or to any property caused by or arising out of or in connection with advice given, the supply of the appliances, goods or other merchandise or the installation repair or maintenance of and appliances, goods or materials notwithstanding that the same may be due to any defect inherent latent or otherwise may be or which may subsequently develop in appliances goods or other merchandise supplied by the Company.

### Cancellation and Variation of Orders

10. Orders once placed can only be cancelled or varied with the consent in writing of the Company and on terms which indemnify the Company against loss.



